FIRE BOSS

PARTS MANUAL

For

FIRE BOSS

AT-802 CONVERSION

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WIPLINE MODEL 10000 FLOATS PARTS MANUAL

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Log of Revisions

Revision	Description	Date
A	INITIAL RELEASE	3/9/07
B	New figure 7 per kicker strut upgrade, Item 9, 11, & 14	9/27/07
C	Nose gear retraction and Main gear retraction have been revised being replaced by T-seals.	4/1/08
D	Item 2, handle changed part number.	5/10/08
E	Updated part numbers and drawings as needed. Returned info. regarding O-rings on retraction and oleo figures. Hydraulic schematic updated. Revised various parts on pages throughout. Added customer service & warranty pages. Updated TOC & pg numbers.	9/15/09
F	Updated hardware, added list of effective pages, corrected clerical errors in part numbers and quantities, replaced figure 22a and BOM, updated figure 19, added rear panel figures and BOM, added nose bumper spacer to hull assembly, removed max. operating altitude placard (Canada) 7A3-4403, updated maneuvering speed placards.	3/1/15

You may also look at the latest parts manual at www.wipaire.com.

LIST OF EFFECTIVE PAGES

Page	Revision Level	Page	Revision Level	Page	Revision Level
1	F	54	F	107	F
2	F	55	F	108	F
3	F	56	F	109	F
4	F	57	F	110	F
5	F	58	F	111	F
6	F	59	F	112	F
7	F	60	F	113	F
8	F	61	F	114	F
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13	F	66	F	119	F
14	F	67	F	120	F
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18	F	71	F	124	F
19	F	72	F	125	F
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21	F	74	F	127	F
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30	F	83	F	136	F
31	F	84	F	137	F
32	F	85	F	138	F
33	F	86	F	139	F
34	F	87	F	140	F
35	F	88	F	141	F
36	F	89	F	142	F
37	F	90	F	143	F
38	F	91	F	144	F
39	F	92	F	145	F
40	F	93	F	146	F
41	F	94	F	147	F
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47	F	100	F	153	F
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49	F	102	F	155	F
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169	F				
170	F				
171	F				
172	F				

FLOAT PART SALES DEPT. OPERATIONS

Hours: 7:00 AM - 6:00 PM, Monday through Friday
Central U.S. Time
Phone: 651-306-0459
Fax: 651-306-0666
Email: customerservice@wipaire.com Website: www.wipaire.com

SHIPPING SCHEDULE:

In-Stock orders received before 3 PM CST ship the same day. Orders received after this time may be assessed and AOG fee for special priority handling.

As we are primarily a manufacturer, our stocks can be rapidly depleted by production requirements. Therefore, prices and availability are subject to change at any time. It is our intent to provide courteous and prompt service of your needs. Please let us know of any problems or concerns so that changes in these procedures can be a benefit for all.

A. PARTS ORDERING

Purchase orders should include:

1) P.O. Number
2) Name of person placing order
3) Invoicing information:
   a) Customer name - company or individual
   b) Address
   c) Phone and fax number
4) Shipping information:
   a) Address (if different from invoice address)
   b) Method of shipment/preferred carrier
5) Aircraft model, float model and serial numbers
6) Wipaire part number; name; type, e.g. left or right; quantity
7) Payment method: VISA, MasterCard, COD (U.S. customers only), Pre-payment by check or wire transfer, open account (see E.)

B. *DAMAGED GOODS*

Inspect all parts upon receipt. Damages to parts in transit must be filed as a claim against the carrier.

C. RETURNED PARTS

Written explanation of reason for return must accompany parts, including invoice number of original shipment. Shipping charges on returned parts must be prepaid or the shipment will be refused.

D. ORDER SHORTAGES

Check shipment against delivery slip immediately. All claims for any shortages should be made within three (3) days after order receipt.

E. CREDIT POLICY

Parts will be shipped on open account, net 30 days, to Wipaire-approved credit customers only. A balance due over 60 days will result in no shipments. Wipaire, Inc reserves the right to send any order C.O.D.

All references in this manual to LEFT and RIGHT are from the perspective of the pilot's seat with the floats fully installed and ready for floatplane operation.

The following is a list of abbreviations that may appear in the description nomenclature fields of this manual.

AB	Afterbody
Amphib.	Amphibious
AR	As Required
Assy.	Assembly
Brkt.	Bracket
Btm.	Bottom
Bulk.	Bulkhead
Ctr.	Center
Cyl.	Cylinder
Ft.	Front
Ftg.	Fitting
Fus.	Fuselage
Fwd.	Forward
Horiz.	Horizontal
Hyd.	Hydraulic
Inbd.	Inboard
Lg.	Large.
Lt.	Left
Lwr.	Lower
Opt.	Optional
Otbd.	Outboard
Reinf.	Reinforcement
Rr.	Rear
Rt.	Right
Sm.	Small
SN	Serial Number
Spr.	Spreader
Upr.	Upper
Vert.	Vertical
W.W.	Wheel Well

New Customer Information

Customer Name	
Billing Address	
Shipping Address	
Phone Number	Fax Number
Purchasing Contact	Phone Number
E-Mail	Fax Number
Accounts Payable Contact	Phone Number
E-Mail	Fax Number
Type(s) of Aircraft Owned or Maintained	
Model(s) of Floats and Skis Owned or Maintained	
FedEx and/or UPS account number (if applicable)	

Please return to Wipaire Customer Service:

Fax 651-306-0666 Phone 651-306-0459 CustomerService@wipaire.com

MANUFACTURERS OF WIPLINE FLOATS & SKIS
SPECIALISTS IN AIRCRAFT MODIFICATION
1700 Henry Ave – Fleming Field
South St. Paul, MN 55075
Ph: 651-306-0459 Fax: 651-306-0666
www.wipaire.com

Warranty Claim Form

Aircraft Owner Name: _____

Address:_____

City, State, Zip: _____

Phone: _____ Fax: _____

E-Mail Address: _____

Aircraft Information

Aircraft Model:_____ Registration ID:_____ Serial Number:_____

Please circle the category that most describes the aircraft's primary type of operations:

Commercial Operator Training/Rental Private Use Business Use

Float / Ski Information

Float / Ski Model: _____ Float / Ski Serial Numbers: _____ _____

Total Hours on Floats / Skis to Date: _____ Hrs per Year of Use:_____
Date Floats / Skis Went Into Service (New): _____

Claim Information

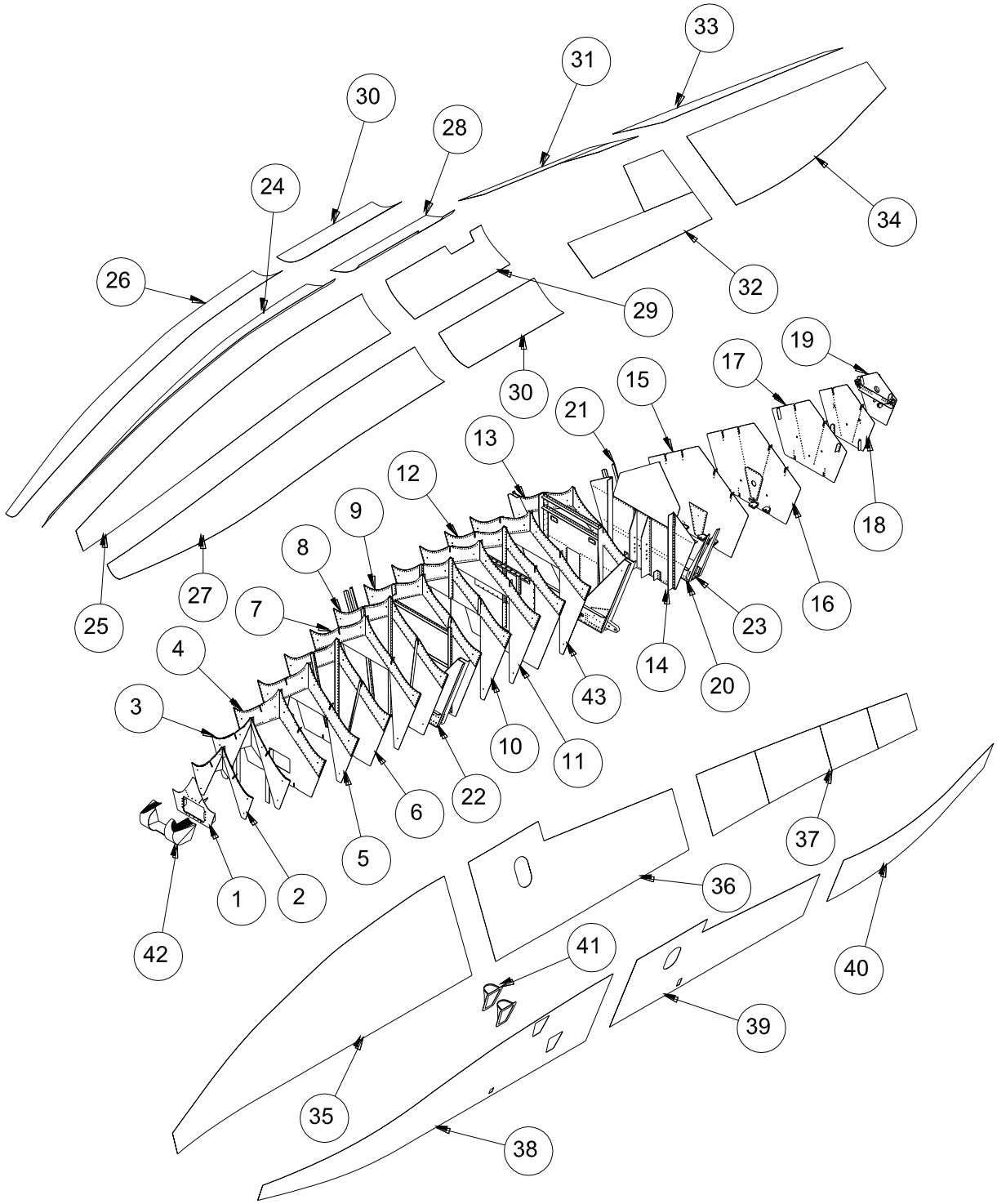
Date of Claim:_____ Faulty Part Nomenclature and Number:_____
Company Performing Maintenance: _____
Work Order Number: _____ Contact Person:_____
Phone: _____ Fax: _____ E-Mail Address:_____
Wipaire Representative and any RMA or Claim Numbers: _____
Please include a brief description of the conditions at the time of failure or damage, if applicable, and any additional remarks:

_____
_____

Please fax or mail back to us. If you prefer, e-mail the form to customerservice@wipaire.com.

HULL ASSEMBLY

FIGURE 1



HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASSY. BULKHEAD #1	13A01000-185
	1	BULKHEAD #1	13A01156-084
	1	PLATE - #1 BULK DOUBLER	13A01156-085
	1	CLEAT, SISTER KEEL ATTACH ANGLE LT.	13A01357-049
	1	CLEAT, SISTER KEEL ATTACH ANGLE RT.	13A01357-050
	1	ANGLE – ATTACH RT. TOP RAIL	6A01156-054
	1	ANGLE – ATTACH LT. TOP RAIL	6A01156-055
	17	NUT PLATE	MS21047L4
2	1	ASSY. BULKHEAD #2	13A01000-186
	1	SIDE PANEL RT.	13A01150-044
	1	SIDE PANEL LT.	13A01150-045
	1	BULKHEAD FLUTE RT.	13A01150-002
	1	BULKHEAD FLUTE LT.	13A01150-003
	1	T SECTION KEEL STIFFENER-CENTER	13A01381-002
	2	ANGLE, SISTER KEEL ATTACH	13A01359-127
3	1	ASSY. BULKHEAD #3	13A01000-187
	1	SIDE PANEL RT.	13A01150-046
	1	SIDE PANEL LT.	13A01150-047
	1	BULKHEAD FLUTE RT.	13A01150-004
	1	BULKHEAD FLUTE LT.	13A01150-005
	1	T SECTION KEEL STIFFENER-CENTER	13A01381-003
	2	ANGLE, SISTER KEEL ATTACH	13A01359-128
	1	ANGLE-VERT. STIFFENER RT.	13A01382-004
	1	ANGLE-VERT. STIFFENER LT.	13A01382-005
4	1	ASSY. BULKHEAD #4	13A01000-188
	1	MAIN - PANEL BULKHEAD	13A01150-048
	1	FLUTE FWD. RT.	1001306
	1	FLUTE FWD. LT.	1001305
	1	FLUTE AFT RT.	1001309
	1	FLUTE AFT LT.	1001308
	1	T SECTION KEEL STIFFENER LWR. ATTACH	13A01381-001
	1	ANGLE SISTER KEEL ATTACH LT.	13A01359-125
	1	ANGLE SISTER KEEL ATTACH RT.	13A01359-126
	1	ANGLE STIFFENER - NOSE BOX ATTACH LT.	13A01382-001
	1	ANGLE STIFFENER - NOSE BOX ATTACH	13A01382-002
	2	SISTER KEEL TOP ATTACH ANGLE	13A01359-124
	2	SPACER-SISTER KEEL ATTACH ANGLE	13A01157-005

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
5	1	ASSY. BULKHEAD #5	13A01000-189
	1	MID PANEL - CENTER	13A01150-051
	1	SIDE PANEL RT.	13A01150-050
	1	SIDE PANEL LT.	13A01150-049
	1	FLUTE FWD. RT.	13A01150-010
	1	FLUTE FWD. LT.	13A01150-011
	1	FLUTE AFT RT.	13A01150-012
	1	FLUTE AFT LT.	13A01150-013
	1	T SECTION - STIFFENER KEEL ATTACH	13A01381-004
	2	ANGLE - SISTER KEEL ATTACH	13A01359-129
6	1	ASSY. BULKHEAD #6	10A01000-422
	1	PANEL - MAIN BULKHEAD	10A01150-168
	1	FLUTE FWD LT.	13A01150-015
	1	FLUTE FWD RT.	13A01150-014
	1	FLUTE AFT RT.	13A01150-016
	1	FLUTE AFT LT.	13A01150-017
	1	T SECTION STIFFENER CENTER. LOWER	13A01381-014
	1	T SECTION STIFFENER CENTER UPPER	13A01381-013
	1	ANGLE - SISTER KEEL ATTACH RT.	13A01359-164
	1	ANGLE - SISTER KEEL ATTACH LT.	13A01359-165
	2	ANGLE – CLEAT - TOP RAIL ATTACH	13A01382-003
7	1	ASSY. BULKHEAD #7	13A01000-191
	1	MID PANEL – CENTER	13A01150-055
	1	SIDE PANEL LT.	13A01150-053
	1	SIDE PANEL RT.	13A01150-054
	1	FLUTE FWD. RT.	13A01150-018
	1	FLUTE FWD. LT.	13A01150-019
	1	FLUTE AFT RT.	13A01150-020
	1	FLUTE AFT LT.	13A01150-021
	1	T SECTION – STIFFENER KEEL ATTACH	13A01381-008
	2	ANGLE-SISTER KEEL ATTACH	13A01359-130
8	1	ASSY. BULKHEAD #8	10A01000-417
	1	PANEL - MAIN BULKHEAD	10A01150-169
	1	FLUTE FWD RT.	1001347
	1	FLUTE FWD LT.	1001346
	1	FLUTE AFT RT.	1001350
	1	FLUTE AFT LT.	1001349
	1	T SECTION CENTER KEEL ATTACH	10A01381-017

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	ANGLE - SISTER KEEL ATTACH LT.	10A01359-241
	1	ANGLE - SISTER KEEL ATTACH RT.	10A01359-242
	2	ANGLE – CLEAT - TOP RAIL ATTACH	13A01382-003
9	1	ASSY. BULKHEAD #9	10A01000-418
	1	ASSY. COVER	10A01000-448
	1	PANEL - MAIN BULKHEAD	10A01150-170
	1	FLUTE FWD RT.	13A01150-026
	1	FLUTE FWD LT.	13A01150-027
	1	FLUTE AFT RT.	13A01150-028
	1	FLUTE AFT LT.	13A01150-029
	4	ANGLE - TOP RAIL ATTACH	13A01359-124
	2	ANGLE – HORZ. - COVER REINF. ATTACH	13A01359-134
	2	ANGLE - VERT- COVER ATTACH STIFFENER	13A01359-240
	1	T SECTION LOWER	13A01381-011
	1	T SECTION UPPER	10A01381-016
	2	DOUBLER	10A01163-104
	A/R	SCREW	AN526-832R6
10	1	ASSY. BULKHEAD #10	13A01000-194
	1	MID-PANEL - CENTER	13A01150-062
	1	SIDE PANEL RT.	13A01150-060
	1	SIDE PANEL LT.	13A01150-061
	2	FLUTE FWD. RT.	13A01150-030
	2	FLUTE FWD. LT.	13A01150-031
	1	T SECTION STIFFENER KEEL ATTACH	13A01381-008
	2	ANGLE - SISTER KEEL ATTACH	13A01359-133
11	1	ASSY. BULKHEAD #12, #13	13A01000-196
	1	PANEL – CENTER	13A01150-066
	1	SIDE PANEL LT.	13A01150-065
	1	SIDE PANEL RT.	13A01150-064
	2	FLUTE BOTTOM RT.	1001590
	2	FLUTE BOTTOM LT.	1001587
	1	T SECTION STIFFENER KEEL ATTACH	13A01381-008
	2	ANGLE - SISTER KEEL ATTACH	13A01359-133
12	1	ASSY. BULKHEAD #14	13A01000-197
	1	ASSY. COVER	10A01000-449
	1	PANEL - MAIN BULKHEAD	13A01150-071
	2	FLUTE BOTTOM RT.	13A01150-034
	2	FLUTE BOTTOM LT.	13A01150-035

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
	2	ANGLE - HORZ. - COVER ATTACH	13A01359-134
	1	ANGLE - SISTER KEEL STIFFENER LT.	13A01359-141
	1	ANGLE - SISTER KEEL STIFFENER RT.	13A01359-142
	1	T SECTION KEEL STIFFENER-CENTER	13A01381-011
	1	T SECTION STIFFENER – CENTER TOP	13A01381-009
	1	ANGLE -FITTING SLIDE TUBE STIFFENER	13A01348-009
	2	ANGLE - TOP RAIL COVER REINFORCE	13A01359-124
	A/R	SCREW	AN526-832R6
13	1	ASSY. BULKHEAD #16 (Left or Right Float)	10A01000-433
	1	PANEL - MAIN BULKHEAD	1001828
	1	FLUTE FORWARD RT.	1001058
	1	FLUTE FORWARD LT.	1001059
	1	ANGLE - TRUNNION SUPPORT LT.	10A01428-003
	1	FLUTE, AFT RT.	1001060
	1	FLUTE, AFT LT.	1001288
	1	ANGLE - TRUNNION SUPPORT RT.	10A01428-004
	1	DOUBLER, TUNNEL END	10A01001-236
	1	FITTING - MAIN STRUT FLOAT ATTACH	13A01161-002
	1	ANGLE - HORZ. LOWER TUNNEL	13A01359-170
	2	ANGLE - AFTERBODY SKIN ATTACH AFT	13A01359-179
	3	ANGLE - TOP RAIL ATTACH CLEAT	13A01382-003
	1	PANEL - MAIN STRUT – FWD	1001433
	1	PANEL - MAIN STRUT – AFT	1001434
	1	ANGLE - VERT. EXTENSION TRUNNION LT.	10A01357-077
	1	ANGLE - VERT. TRUNNION LT.	10A01357-076
	1	ANGLE - HORZ. PANEL ATTACH LT.	10A01359-243
	1	ANGLE - HORZ. PANEL ATTACH RT.	10A01359-244
	1	ANGLE-UPPER VERT. PANEL WELL RT.	10A01348-027
	1	ANGLE-UPPER VERT. PANEL WELL LT.	10A01348-029
	1	DOUBLER	10A01162-074
	1	PANEL, MAIN STRUT, INBD. AFT.	1001291
	1	PANEL, MAIN STRUT, INBD. FWD.	1001294
	1	PANEL, MAIN STRUT, OUTBOARD, AFT.	1001297
	1	PANEL, MAIN STRUT LEG, OTBD.	1001300
	1	ANGLE - TOP RAIL ATTACH	10A01382-029
	2	ANGLE, TRUNION HORIZ. STIFFENER	13A01427-016
	1	SHIM – UPPER BULKHEAD	13A01150-205
	10	BOLT	AN5-16A
	2	BOLT	AN5-17A
	23	BOLT	AN5-20A
	1	BOLT	AN5-21A

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
	2	BOLT	AN5-22A
	38	NUT	MS21044N5
	64	WASHER	NAS1149D0563J
	12	WASHER	NAS1149D0516J
	2	DOUBLER, BRAKE LINE	1001380
13	1	ASSY. BULKHEAD #16 (Right float specific)	10A01000-432
	1	ANGLE - VERT. TRUNNION LT.	10A01357-075
	1	ANGLE - VERT. EXTENSION TRUNNION LT.	10A01357-078
	1	ANGLE-UPPER VERT. PANEL WELL RT.	10A01348-028
	1	ANGLE-UPPER VERT. PANEL WELL LT.	10A01348-030
	1	ANGLE - TOP RAIL ATTACH	10A01382-028
	1	PANEL, MAIN STRUT, INBD. AFT.	1001290
	1	PANEL, MAIN STRUT, INBD. FWD.	1001293
	1	PANEL, MAIN STRUT, OTBD., AFT.	1001296
	1	PANEL, MAIN STRUT LEG, OTBD.	1001299
14	1	ASSY. BULKHEAD #17	13A01000-200
	1	PANEL - MAIN BULKHEAD	13A01163-009
	1	PANEL BULKHEAD LOWER	13A01163-010
	1	ANGLE - SLIDE TUBE ATTACH RT.	13A01426-006
	1	ANGLE - SLIDE TUBE ATTACH LT.	13A01426-007
	1	ANGLE - HORZ.	13A01357-045
	1	ANGLE - CARRY THRU ATTACH RT.	13A01357-046
	1	ANGLE - CARRY THRU ATTACH LT.	13A01357-047
	2	ANGLE - TOP RAIL ATTACH	13A01382-003
	2	ANGLE – WHEEL WELL ATTACH	13A01359-174
15 LT.	1	ASSY. BULKHEAD #18 LEFT	1001071
	1	BULKHEAD FORMED LEFT	1001069
	1	ANGLE - SISTER KEEL LONG LT.	13A01359-135
	1	ANGLE - SISTER KEEL LONG RT.	13A01359-136
	4	ANGLE – SHORT	13A01359-124
	1	DOUBLER - ACCESS HOLE UPPER	13A01160-012
	1	ANGLE - ACCESS HOLE LOWER	13A01359-166
	1	COVER - ACCESS	13A01150-091
	4	BRACKET PULLEY	3A01151-010
	3	SHIM, PULLEY MOUNT	10A08200-008
	1	REINFORCEMENT, PULLEY	10A01156-179
	2	GUIDE PULLEY BRACKET	10A08183-007
	2	BACK PULLEY BRACKET	10A01156-174
	1	CLUSTER, PULLEY BRACKET	10A01156-175

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
	4	BOLT	AN4-7A
	4	PULLEY	MS20219-2
	4	NUT	MS21083N4
	4	COTTER PIN	MS24665-136
	4	WASHER	NAS1149D0463J
	4	WASHER	NAS1149D0416J
	A/R	SCREW	AN526-632R6
15 RT.	1	ASSY BULKHEAD #18 RIGHT	1001072
	1	BULKHEAD FORMED RIGHT	1001070
	1	DOUBLER-ACCESS HOLE UPPER	13A01160-012
	4	ANGLE – SHORT	13A01359-124
	1	ANGLE SISTER KEEL STIFFENER LT.	13A01359-135
	1	ANGLE SISTER KEEL STIFFENER RT.	13A01359-136
	1	ANGLE ACCESS HOLE LOWER	13A01359-166
	1	COVER – ACCESS	13A01150-091
	4	BRACKET PULLEY	3A01151-010
	3	SHIM, PULLEY MOUNT	10A08200-008
	1	REINFORCEMENT PULLEY	10A01156-179
	2	GUIDE PULLEY BRACKET	10A08183-007
	2	BACK PULLEY BRACKET	10A01156-174
	1	CLUSTER, PULLEY BRACKET	10A01156-175
	4	BOLT	AN4-7A
	4	PULLEY	MS20219-2
	4	NUT	MS21083N4
	4	COTTER PIN	MS24665-136
	4	WASHER	NAS1149D0463J
	4	WASHER	NAS1149D0416J
	A/R	SCREW	AN526-632R6
16 LT.	1	ASSY. BULKHEAD #19 LEFT	1001453
	1	PANEL - MAIN BULKHEAD LEFT	1001448
	4	ANGLE – SHORT - TOP RAIL ATTACH	13A01359-124
	1	ANGLE - ACCESS HOLE COVER – LOWER	13A01359-166
	1	DOUBLER - ACCESS HOLE - UPPER	13A01160-012
	1	ANGLE - SISTER KEEL STIFFENER	10A01359-232
	1	ANGLE - SISTER KEEL VERT. SUPPORT	10A01359-247
	1	COVER - ACCESS	10A01150-187
	A/R	SCREW	AN526-632R6
	1	REINFORCEMENT PULLEY	10A01156-179
	1	ANGLE	10A01427-042
	1	SHIM, PULLEY MOUNT	10A08205-009

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	GUIDE, RETRACT PULLEY BRACKET	10A08033-004
	2	BRACKET PULLEY	3A01151-010
	2	COTTER PIN	MS24665-136
	2	PULLEY	MS20219-2
	2	BOLT	AN4-10A
	2	NUT	MS21044N4
	1	CABLE GUIDE	3A08605-001
16 RT.	1	ASSY. BULKHEAD #19 RIGHT	1001454
	1	ANGLE - SISTER KEEL STIFFENER	10A01359-232
	1	PANEL – MAIN BULKHEAD	1001449
	1	ANGLE - SISTER KEEL VERT. SUPPORT	10A01359-247
	1	REINFORCEMENT PULLEY	10A01156-179
	1	ANGLE	10A01427-042
	1	SHIM, PULLEY MOUNT	10A08205-009
	1	GUIDE, RETRACT PULLEY BRACKET	10A08033-004
	1	DOUBLER - ACCESS HOLE	13A01160-012
	4	ANGLE – SHORT TOP RAIL ATTACH	13A01359-124
	1	ANGLE - ACCESS HOLE COVER	13A01359-166
	2	BRACKET PULLEY	3A01151-010
	2	PULLEY	MS20219-2
	2	BOLT	AN4-10A
	2	NUT	MS21044N4
	1	CABLE GUIDE	3A08605-001
	2	COTTER PIN	MS24665-136
	1	COVER – ACCESS	10A01150-187
	A/R	SCREW	AN526-632R6
17	1	ASSY. BULKHEAD #20	10A01000-411
	1	PANEL - MAIN BULKHEAD	10A01150-160
	2	ANGLE - SISTER KEEL LONG	10A01359-233
	4	ANGLE – SHORT	13A01359-124
18	1	ASSY. BULKHEAD #21	10A01000-412
	1	PANEL - MAIN BULKHEAD	10A01150-161
	2	ANGLE - SISTER KEEL STIFFENER	10A01359-234
	2	ANGLE – SHORT TOP RAIL ATTACH	13A01359-124
	1	PULLEY BRACKET GUIDE RT.	10A08251-004
	1	PULLEY BRACKET GUIDE LT.	10A08251-005
	2	GUIDE – CABLE	3A08605-001

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
19	1	ASSY. BULKHEAD #22	1002681
	1	SPACER, TOP	10A01156-171
	2	SPACER, SIDE	10A01156-172
	2	SPACER, BOTTOM	10A01156-173
	1	ANGLE – HORZ. CASTING STIFFENER	10A01352-044
	2	ANGLE – SISTER KEEL ATTACH	6A01359-004
	1	BRACKET – CABLE GUIDE SUPPORT	10A08033-004
	1	CABLE GUIDE	3A08605-001
	1	PULLEY BRACKET	10A08225-003
	1	PULLEY BRACKET	10A08225-004
	2	CABLE ASSY. PULLEY	8A08000-043
	1	CASTING PIVOT WATER RUDDER	3A01437-001
	1	BULKHEAD PANEL	1002680
	2	BOLT	AN3-5A
	2	NUT	MS21044N3
	12	WASHER	NAS1149D0316J
	4	NUT	NAS679A3W
	4	SCREW	AN526-1032R8
20	1	PANEL ASSY. – REAR STRUT DRAG BRACE	10A01000-446
	1	PANEL – MAIN REAR DRAG STRUT	13A01160-005
	1	ARM – SPREADER BAR PANEL FWD.	13A01427-017
	2	ANGLE – CLEAT TOP RAIL ATTACH	13A01382-003
	1	ARM, STRUT PANEL REAR	10A01357-082
21	1	PANEL ASSY. – REAR STRUT DRAG BRACE	10A01000-447
	1	PANEL – MAIN REAR DRAG STRUT	13A01160-005
	1	ARM – STRUT PANEL REAR	10A01357-081
	1	ARM – SPREADER BAR PANEL FWD.	13A01427-018
	2	ANGLE – CLEAT TOP RAIL ATTCH	13A01382-003
22	1	PANEL ASSY, FWD.	10A01000-445
	1	PANEL – SMALL - FWD	1001673
	1	PANEL – SPREADER BAR BIG SIDE	1001674
	1	PANEL - MAIN - FWD	1001672
	1	PANEL – SPREADER BAR SMALL SIDE	1001675
	1	ANGLE - FWD SPREADER BAR	10A01427-033
	1	ANGLE – FWD SPREADER BAR	10A01427-034
	4	ANGLE – CLEAT TOP RAIL ATTCH	13A01382-003
	1	DOUBLER, PANEL, SPREADER BAR	1005020
	1	DOUBLER, PANEL, SPREADER BAR	1005021

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
23	1	CHANNEL - DRAG STRUT ATTACH	13A01374-001
24	1	SKIN - BOTTOM LOWER FWD LT.	13A01163-043
25	1	SKIN - BOTTOM LOWER FWD RT.	13A01163-044
26	1	SKIN - BOTTOM UPPER FWD LT.	13A01153-013
27	1	SKIN - BOTTOM UPPER FWD RT.	13A01153-014
28	1	SKIN - BOTTOM LOWER AFT LT.	10A01163-098
29	1	SKIN - BOTTOM LOWER AFT RT.	10A01163-111
30	2	SKIN - BOTTOM UPPER AFT	10A01162-067
31	1	SKIN - DOUBLER AFTERBODY LT.	13A01162-015
32	1	SKIN - DOUBLER AFTERBODY RT.	13A01162-024
33	1	SKIN - AFTERBODY LT.	10A01158-265
34	1	SKIN - AFTERBODY RT.	10A01158-266
35	1	SKIN - FWD SIDE OTBD. LT	1002046
	1	SKIN – FWD SIDE OTBD. RT	1002150
36	1	SKIN - MID SIDE OTBD. LT	10A01163-107
	1	SKIN – MID SIDE OTBD. RT	10A01163-110
37	1	SKIN - AFT SIDE OTBD.	10A01150-167
38	1	SKIN - FWD SIDE I.B. LT	1002044
	1	SKIN – FWD SIDE I.B. RT	1002151
39	1	SKIN - MID SIDE I.B. LT	10A01163-109
	1	SKIN – MID SIDE I.B. RT	10A01163-106
40	1	SKIN - AFT SIDE I.B.1	10A01150-172
41	2	STEP - BOARDING	3A01000-005

HULL ASSEMBLY BULKHEADS – FIGURE 1

ITEM	QTY	PART DESCRIPTION	PART NO.
	2	STEP – BOARDING OUTSIDE (OPTIONAL)	3A01000-005
42	1	NOSE BUMPER	13A01733-001
	1	SPACER, NOSE BUMPER (NOT SHOWN)	1008285
43	1	ASSY. BULKHEAD #15	10A01000-431
	2	ANGLE, SISTER KEEL ATTACH	13A01359-133
	1	PANEL, BULKHEAD SIDE RT.	1001052
	1	PANEL, BULKHEAD SIDE LT.	1001053
	1	FLUTE, BULKHEAD FWD. RT.	1001054
	1	FLUTE, BULKHEAD FWD. LT.	1001055
	1	FLUTE, BULKHEAD AFT RT.	1001056
	1	FLUTE, BULKHEAD AFT LT.	1001057
	1	PANEL, BULKHEAD CENTER	1001301
	1	ANGLE, CARRY THRU OTBD.	8A01359-079
	1	ANGLE, CARRY THRU OTBD.	8A01359-080

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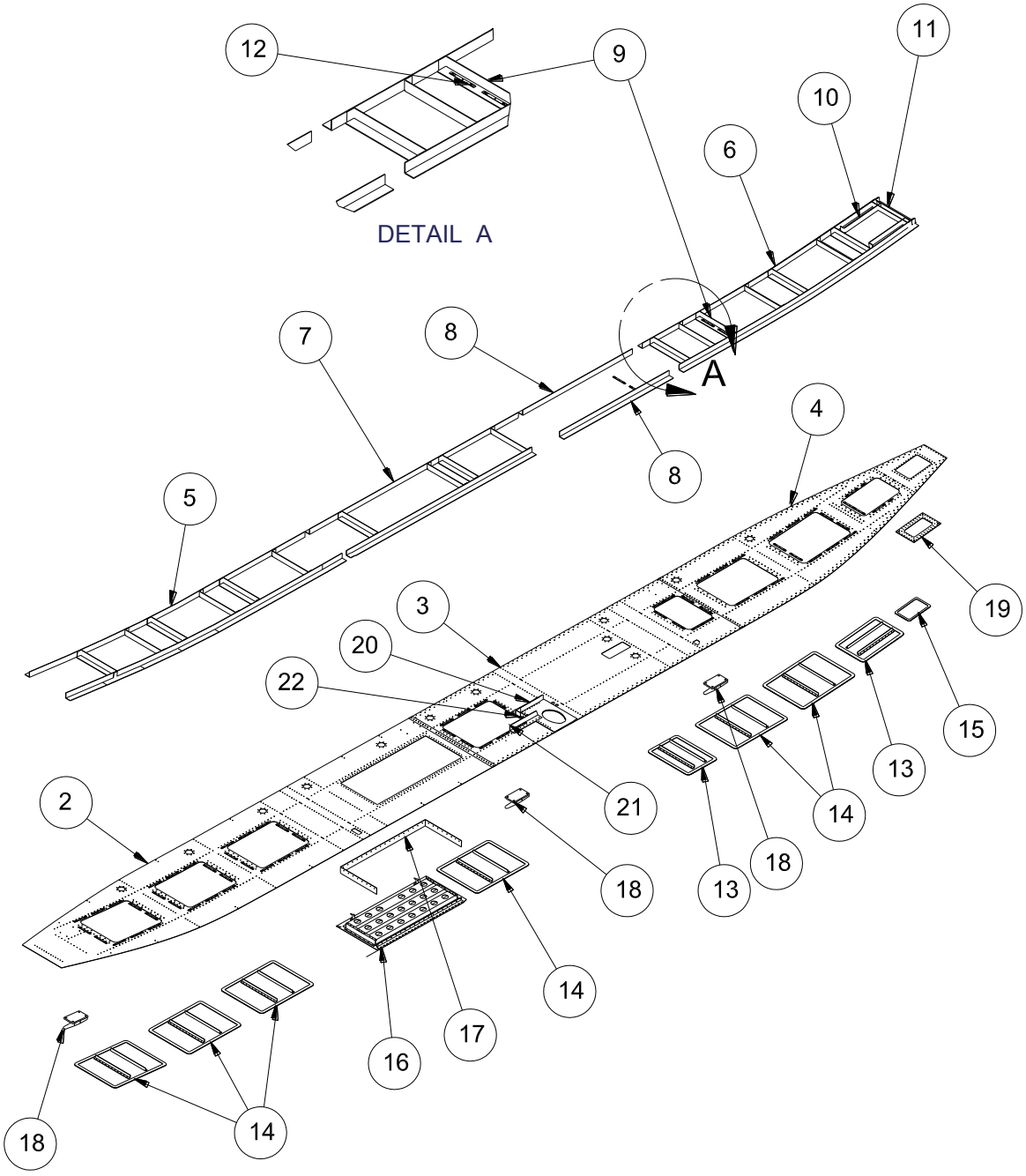
HULL ASSEMBLY – TOP SKIN

FIGURE 2



HULL ASSEMBLY TOP SKIN – FIGURE 2

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	TOP SKIN ASSY. LT.	10A01000-419
	1	TOP SKIN ASSY. RT.	10A01000-414
2	1	TOP SKIN - FWD LT.	1002042
	1	TOP SKIN - FWD RT.	1002048
3	1	TOP SKIN - CENTER LT.	10A01163-105
	1	TOP SKIN - CENTER RT.	10A01163-108
4	1	TOP SKIN - AFT LT.	10A01150-179
	1	TOP SKIN - AFT RT.	10A01150-164
5	1	RAIL - TOP FWD RT.	10A01382-022
	1	RAIL - TOP FWD LT.	10A01382-021
6	1	RAIL - TOP AFT RT.	10A01382-024
	1	RAIL - TOP AFT LT.	10A01382-023
7	1	RAIL - TOP MID LEFT	10A01382-020
	1	RAIL – TOP MID RIGHT	10A01382-019
8	1	RAIL - TOP WHEEL WELL LEFT	10A01382-032
	1	RAIL – TOP WHEEL WELL RIGHT	-10A01382-033
9	18	ANGLE - TOP SKIN CROSS TIE	13A01382-006
10	4	ANGLE - TOP SKIN CROSS TIE	1003425
11	1	ANGLE - TOP SKIN CROSS TIE	10A01382-031
12	74	TINNERMAN NUT PLATE	1002481
13	2	COVER - INSPECTION - SMALL	13A01000-210
	2	COVER GASKET	13A01567-009
14	6	COVER - INSPECTION - LARGE	13A01000-211
	6	COVER GASKET	13A01567-010
15	1	COVER ASSY. - AFT ACCESS	21A01000-427
	1	COVER GASKET	21A01567-012
16	1	BAGGAGE DOOR	10A01000-464

HULL ASSEMBLY TOP SKIN – FIGURE 2

ITEM	QTY	PART DESCRIPTION	PART NO.
17	1	BAGGAGE LIP	13A01162-052
18	3	BOLLARD	13A01233-001
19	1	RING - COVER REINFORCEMENT	21A01156-126
20	1	RAIL, TOP SKIN LT.	10A01382-027
	1	RAIL, TOP SKIN RT.	10A01382-026
21	1	ANGLE, TOP RAIL MOD.	10A01382-003
	1	ANGLE, TOP RAIL MOD.	10A01382-004
22	1	ANGLE, CROSS TIE AND TOP RAIL	10A01382-030

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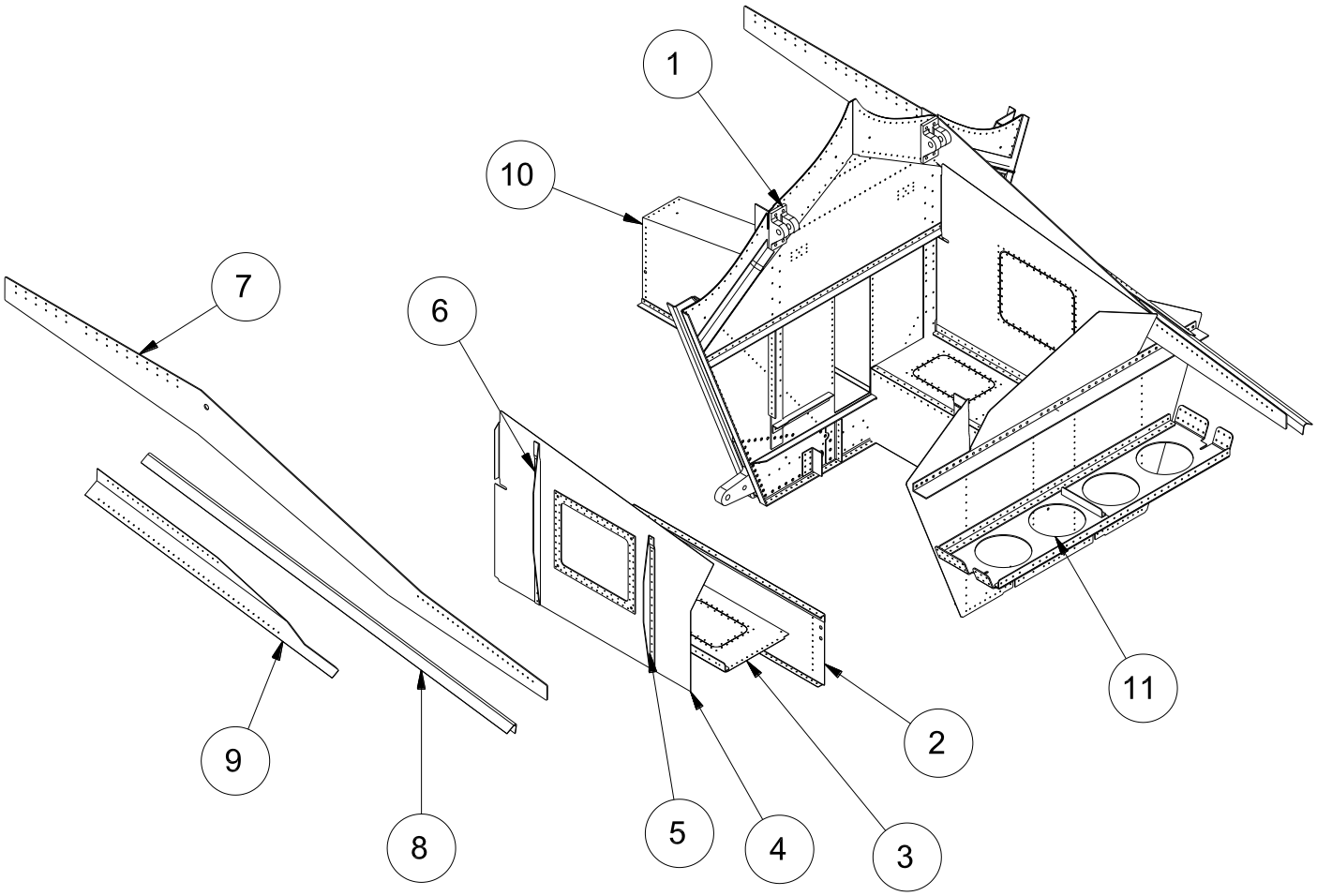
HULL WHEEL WELL AREA – TOP SKIN

FIGURE 3



HULL WHEEL WELL AREA – FIGURE 3

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	TRUNNION RT.	13A04030-002
	1	TRUNNION LT.	13A04030-003
2	1	PANEL - UPPER VERT RT.	10A01000-438
	1	PANEL - BLANK	13A01150-100
	1	ANGLE	13A01359-172
	1	PANEL - UPPER VERT. LT.	10A01000-439
	1	PANEL - BLANK	13A01150-099
	1	ANGLE	13A01359-171
3 RT	1	PANEL - HORZ. RT.	10A01000-440
	1	PANEL - BLANK	13A01150-102
	1	ANGLE - SHORT	13A01359-167
	1	ANGLE - LONG	13A01359-173
	2	REINFORCEMENT - ACCESS HOLE	6A01156-014
	2	COVER	6A01158-151
3 LT	1	PANEL HORZ. LT.	10A01000-441
	1	PANEL - BLANK	13A01150-101
	1	ANGLE - SHORT	13A01359-167
	1	ANGLE - LONG	13A01359-173
	2	REINFORCEMENT - ACCESS HOLE	6A01156-014
	2	COVER	6A01158-151
4 RT	1	PANEL - LOWER VERT. RT.	10A01000-436
	1	PANEL - BLANK	13A01150-104
	1	REINFORCEMENT - ACCESS HOLE	13A01156-124
	1	COVER	13A01150-130
4 LT	1	PANEL - LOWER VERT. LT.	10A01000-437
	1	PANEL - BLANK	13A01150-103
	1	REINFORCEMENT - ACCESS HOLE	13A01156-124
	1	COVER	13A01150-130
5	2	ANGLE - AFT	13A01359-188
6	2	ANGLE - FWD	13A01359-187
7	2	CARRY THRU STRAP	13A01001-035
8	2	ANGLE - CARRY THRU INSIDE	6A01008-070

HULL WHEEL WELL AREA – FIGURE 3

ITEM	QTY	PART DESCRIPTION	PART NO.
9	1	ANGLE - CARRY THRU OUTSIDE RT.	13A01162-014
	1	ANGLE - CARRY THRU OUTSIDE LT.	13A01162-013
10	1	ASSY. TUNNEL	10A01000-434
	1	BODY - TUNNEL	13A01158-145
	1	TOP - FWD	13A01150-094
	1	TOP - REAR	13A01158-146
	2	ANGLE - SIDES	13A01340-088
	1	FITTING SLIDE FWD.	13A01210-003
11	1	PANEL - BULKHEAD SUPPORT	10A01000-435
	1	PANEL - BLANK	1002661
	1	ANGLE - SHORT	13A01359-181
	1	ANGLE - PANEL ATTACH	10A01427-041

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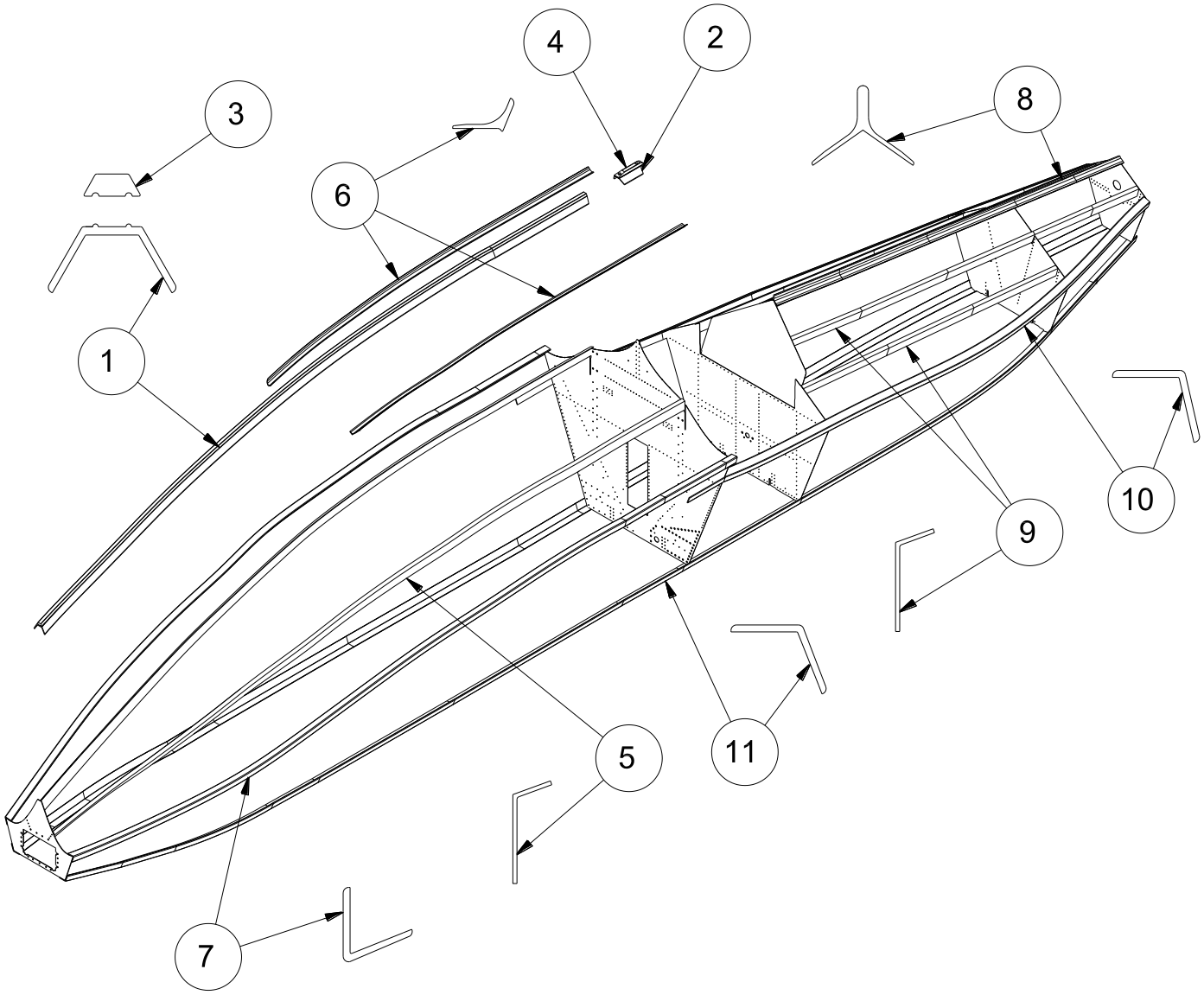
EXTRUSIONS HULL

FIGURE 4

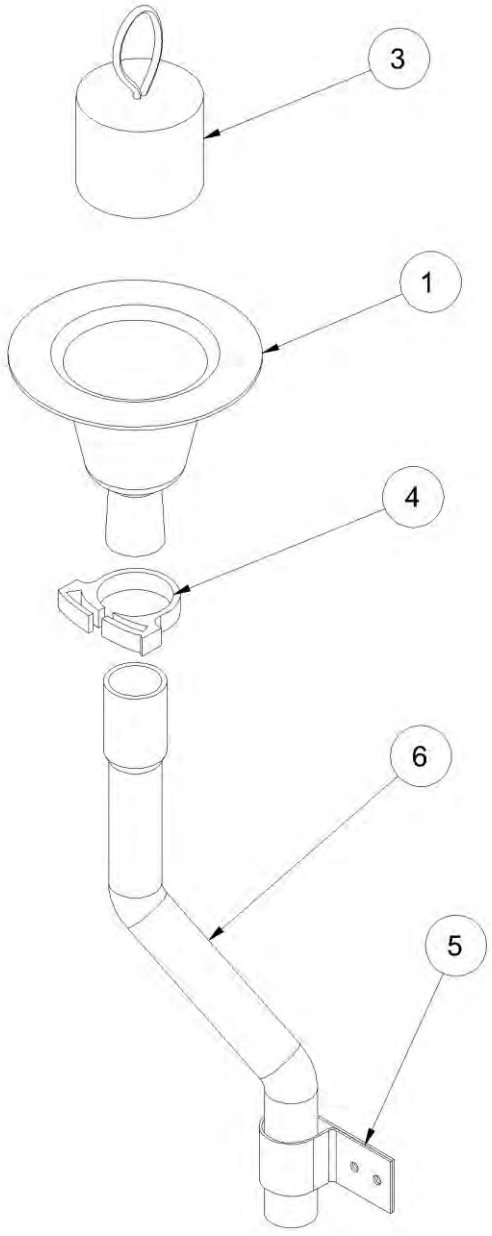


EXTRUSIONS HULL – FIGURE 4

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	MAIN KEEL - WATER BOMBER	10A01387-003
2	1	END - MAIN KEEL - WATER BOMBER	10A01387-002
3	1	WEAR STRIP - WATER BOMBER	10A01388-002
4	1	WEAR STRIP - AFT - WATER BOMBER	10A01388-003
5	1	SISTER KEEL - FWD INSIDE LT.	1001703
	1	SISTER KEEL - FWD INSIDE RT.	1001704
6	1	SISTER KEEL LT. OUTSIDE LT.	1001781
	1	SISTER KEEL RT. OUTSIDE RT.	1001782
7	1	CHINE - FORWARD LT.	1003515
	1	CHINE - FORWARD RT.	1003516
8	1	KEEL - AFTERBODY	10A01328-002
9	1	SISTER KEEL - AFTERBODY INBD. LT.	10A01383-047
	1	SISTER KEEL - AFTERBODY INBD. RT.	10A01383-048
	1	SISTER KEEL - AFTERBODY OTBD. LT.	10A01383-049
	1	SISTER KEEL - AFTERBODY OTBD. RT.	10A01383-050
10	1	CHINE - AFTERBODY LT.	10A01386-003
	1	CHINE - AFTERBODY RT.	10A01386-004
11	1	GUNWALL LT.	10A01384-003
	1	GUNWALL RT.	10A01384-004

PUMPER TUBE INSTALLATION

FIGURE 5

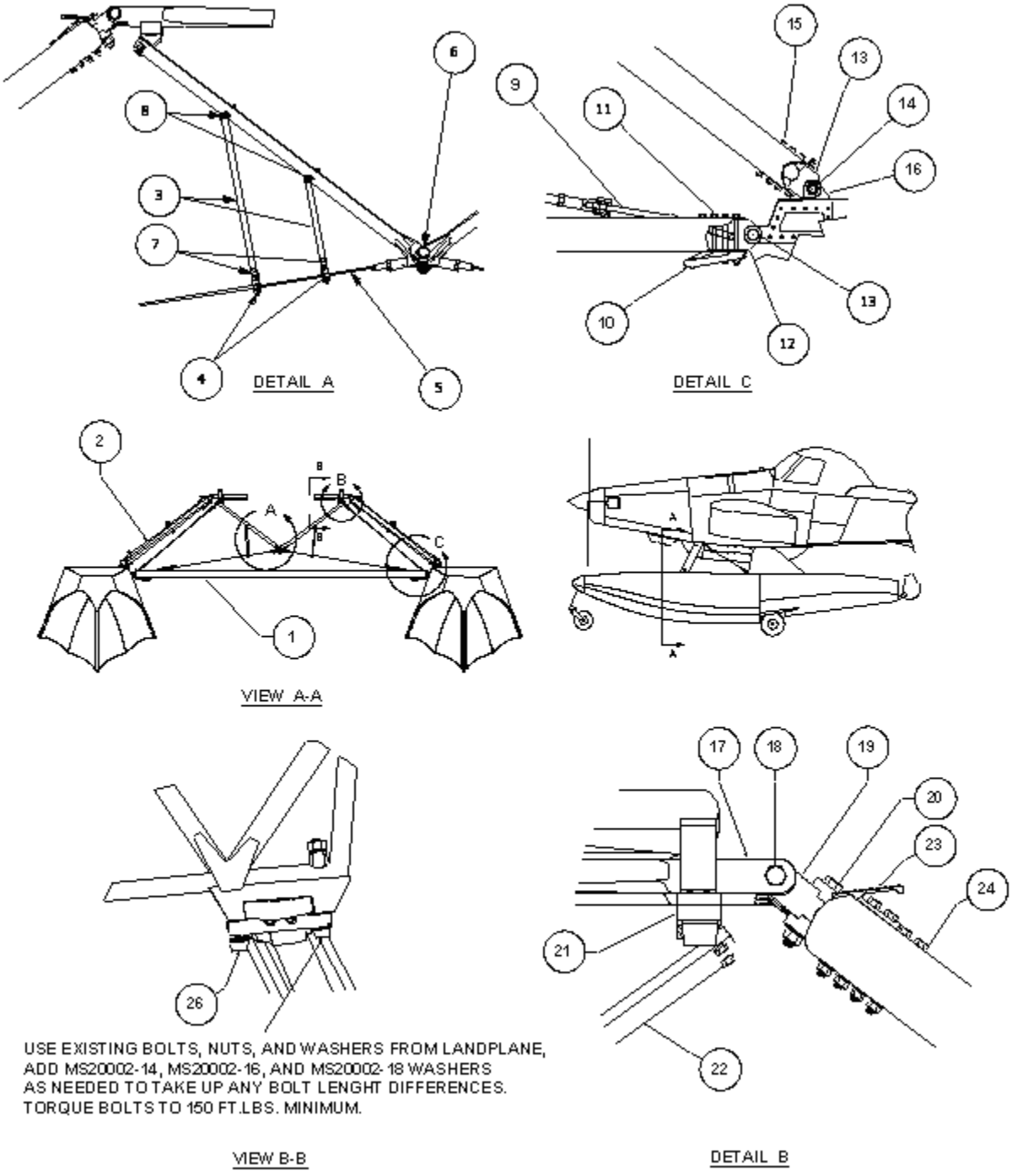


PUMPER TUBE INSTALLATION - FIGURE 5

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	PUMP OUT CUP	4A01749-001
3	1	STOPPER - PUMPER TUBE	2111
6	1	PUMPER TUBE - 33.5"	10A01618-088
	1	PUMPER TUBE - 41"	10A01618-089
	1	PUMPER TUBE - 45"	10A01618-090
	1	PUMPER TUBE - 45.5"	10A01618-091
	1	PUMPER TUBE - 49"	10A01618-092
	1	PUMPER TUBE - 56"	10A01618-093
	1	PUMPER TUBE - 46"	10A01618-094
	2	PUMPER TUBE - 45.5"	10A01618-095
	1	PUMPER TUBE - 37.25"	10A01618-096
	1	PUMPER TUBE - 33.75"	10A01618-097
	1	PUMPER TUBE - 30"	10A01618-098
	1	PUMPER TUBE - 23.5"	10A01618-099
	1	PUMPER TUBE - 20.5"	10A01618-100
4	1	CLAMP	57134
5	1	CLAMP - PUMP OUT TUBE	3A01158-003

INSTALLATION STRUTS, FRONT AND STEPS

FIGURE 6



INSTALLATION STRUTS, FRONT AND STEPS - FIGURE 6

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	SPREADER BAR - FORWARD	10A03335-007
2	1	STRUT - FWD - RH	10A02000-236
	1	STRUT (no fittings)	10A02335-006
	1	STRUT - FWD - LH	10A02000-237
	1	STRUT (no fittings)	10A02335-006
3	2	BRACE - FORWARD – FLYWIRE , LONG	1002002
	2	BRACE – FORWARD – FLYWIRE, SHORT	1002003
4	4	CLAMP -UPPER	10A02216-003
	4	CLAMP - LOWER	10A02216-004
	8	BOLT	AN3-11A
	8	WASHER	NAS1149F0332P
	8	NUT	MS21044N3
5	2	FRONT DRAG WIRE	13A02000-079
6	1	BOLT	AN10-37A
	2	WASHER	NAS1149F1063P
	1	NUT	MS21044N10
7	4	BOLT	AN4-12A
	8	WASHER	NAS1149F0463P
	8	WASHER	NAS1149F0432P
	8	NUT	MS21044N4
8	4	EYE BOLT	AN44-10A
	4	WASHER	NAS1149F0563P
	4	NUT	MS21044N5
	4	BOLT	AN4-10A
	4	WASHER	NAS1149F0463P
	4	NUT	MS21044N4
9	1	FITTING - DRAG WIRE LT.	10A02571-003
	1	FITTING - DRAG WIRE RT.	10A02571-004
10	1	TOW LUG SP. BAR LT.	1001763
	1	TOW LUG SP. BAR RT.	1001764
11	8	BOLT	AN5-40A
	16	WASHER	NAS1149F0532P
	8	NUT	MS21044N5

INSTALLATION STRUTS, FRONT AND STEPS - FIGURE 6

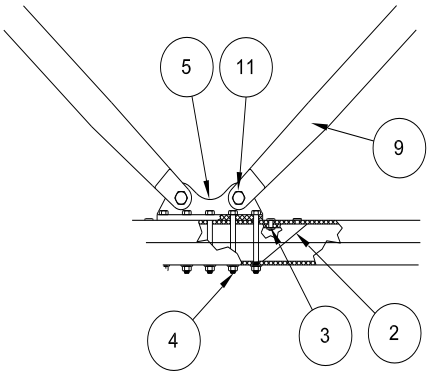
ITEM	QTY	PART DESCRIPTION	PART NO.
12	2	FITTING FRONT SPEADER BAR	13A03030-005
13	4	BOLT	AN10-30A
	8	WASHER	NAS1149F1063P
	4	NUT	MS21044N10
14	1	FITTING - LOWER - FRONT STRUT	10A02035-001
	1	FITTING – UPPER FRONT STRUT LT	10A02056-017
15	6	BOLT	AN5-33A
	12	WASHER	NAS1149F0532P
	6	NUT	MS21044N5
	1	FITTING – UPPER FRONT STRUT RT	10A02056-016
16	2	FITTING FLOAT - FRONT SP. BAR	13A01082-001
17	2	FITTING - UPPER FWD - FUSELAGE	10A02208-003
18	2	BOLT	AN10-65A
	2	WASHER	NAS1149F1063P
	2	NUT	MS21044N10
19	2	FITTING - UPPER - FRONT STRUT	10A02208-004
20	2	BOLT	AN10-32A
	2	WASHER	NAS1149F1063P
	2	NUT	MS21044N10
21	1	MOUNT - KICKER STRUT LT.	10A02030-009
	1	MOUNT - KICKER STRUT RT.	10A02030-010
22	1	KICKER STRUT - FWD - LH	10A02178-001
	1	KICKER STRUT - FWD - RH	10A02178-002
	2	BOLT - FWD	AN7-26A
	2	BOLT - AFT	AN7-32A
	8	WASHER	NAS1149F0763P
	4	NUT	MS21044N4
23	2	STEP, LEFT	10A02350-021
	2	STEP, RIGHT	10A02350-022
	8	STEP, BOLT	AN5-53A

INSTALLATION STRUTS, FRONT AND STEPS - FIGURE 6

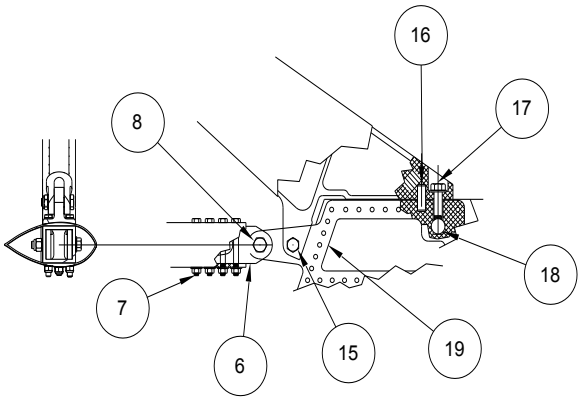
ITEM	QTY	PART DESCRIPTION	PART NO.
24	2	LUG	1001550
	4	BOLT	AN5-33A
25	2	FLYWIRE ASSY, REAR	34A02000-209
26	2	BOLT	NAS154DH56
	24	WASHER	MS20002-14

INSTALLATION STRUTS, REAR

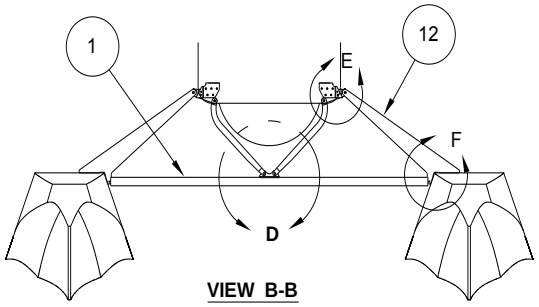
FIGURE 7



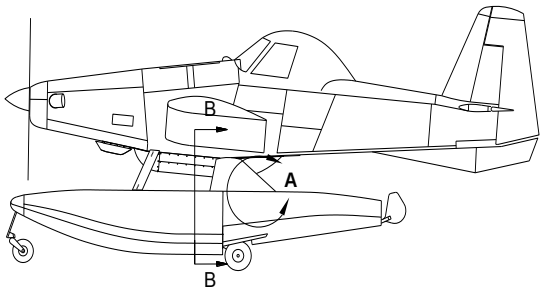
DETAIL D

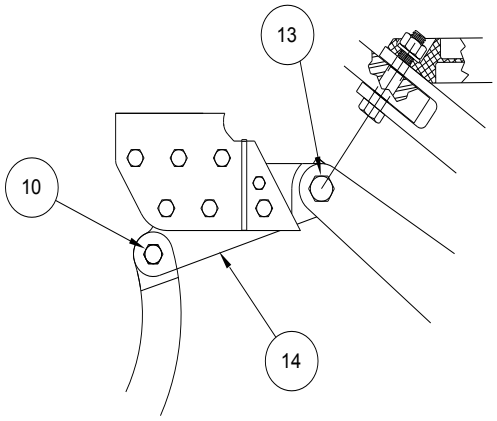


DETAIL F

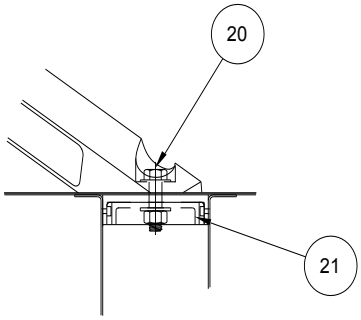


VIEW B-B





DETAIL E



DETAIL A

INSTALLATION STRUTS, REAR - FIGURE 7

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	ASSY. - REAR SPEADER BAR (COMPLETE)	13A03000-020
	1	SPREADER BAR (NO FITTING)	13A03335-005
2	1	INSERT - REAR SPREADER BAR	13A03390-003
3	8	HUCK BOLTS	MS90354U10-07
4	10	BOLT	AN6-35A
	10	WASHER	NAS1149D0616J
	10	NUT	MS21044N6
5	1	ASSY. FITTING LOWER (WITH BUSHINGS)	13A03000-022
	2	BUSHING	13A02454-003
6	2	FITTING - REAR SPREADER BAR - ATTACH	13A03030-004
7	8	BOLT	AN6-34A
	16	WASHER	NAS1149D0616J
	8	NUT	MS21044N6
8	2	BOLT	AN10-31A
	4	WASHER	NAS1149F1063P
	2	NUT	MS21044N10
9	2	ASSY. - KICKER STRUT (WITH BUSHINGS)	1002212
	2	BUSHING	1002220
	1	BUSHING	13A02454-003
10	2	BOLT	NAS6209-29
	2	WASHER	NAS1149F0932P
	2	NUT	MS21083N9
11	2	BOLT	NAS6209-31
	2	WASHER	NAS1149F0932P
	2	NUT	MS21083N9
12	1	ASSY. - MAIN STRUT LT.	10A02000-245
	1	ASSY. - MAIN STRUT RT.	10A02000-246
	1	MAIN STRUT	13A02105-001
	1	DRAG STRUT LT.	13A02073-003
	1	DRAG STRUT RT.	13A02073-002
	1	SKIN - LEADING EDGE LT.	10A02163-119
	1	SKIN - LEADING EDGE RT.	10A02163-120

INSTALLATION STRUTS, REAR - FIGURE 7

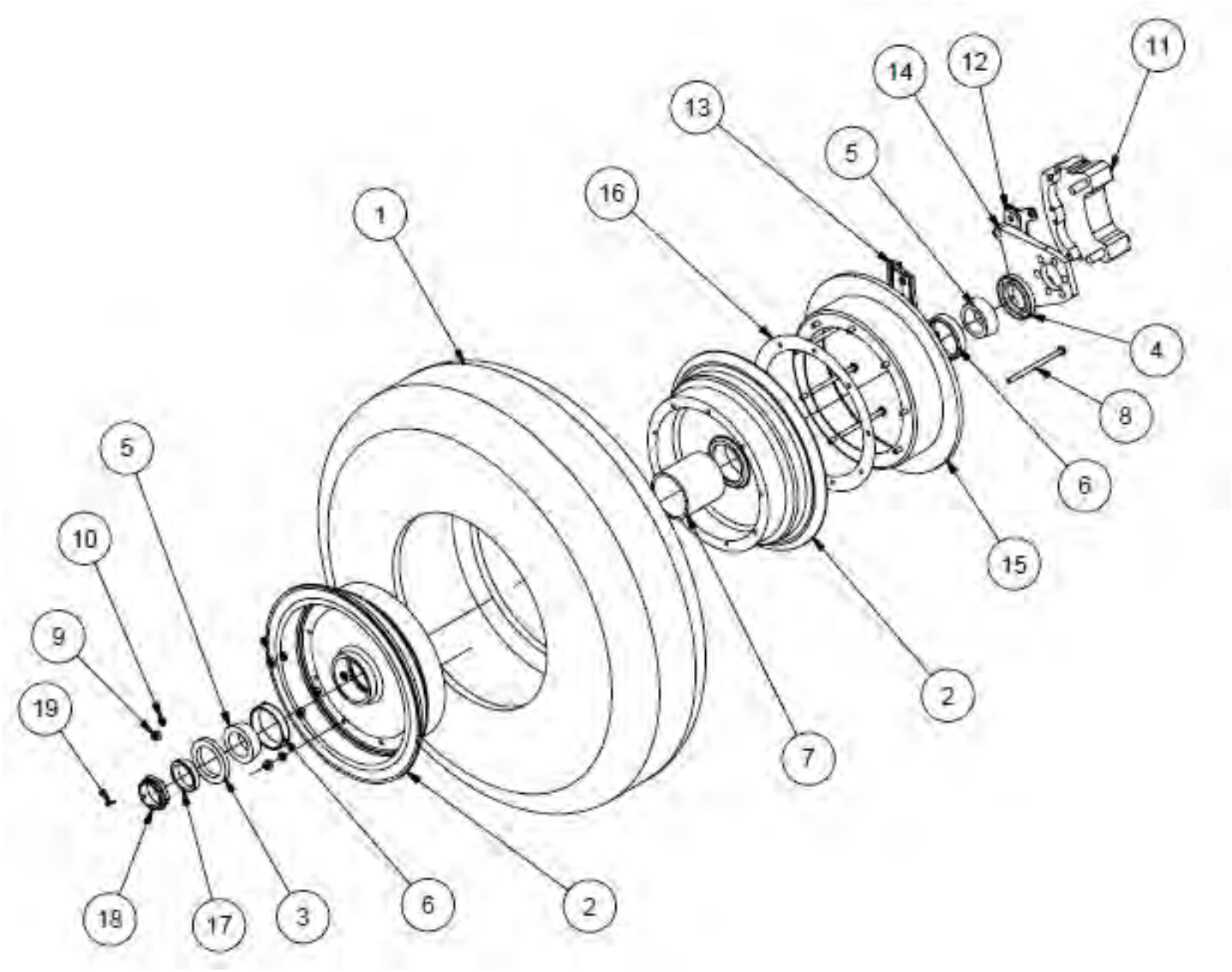
ITEM	QTY	DESCRIPTION	PART NUMBER
	1	SKIN - TOP LT.	10A02150-185
	1	SKIN - TOP RT.	10A02150-184
	1	SKIN - BOTTOM LT.	10A02150-183
	1	SKIN - BOTTOM RT.	10A02150-182
	1	STIFFENER - TOP SKIN - LOWER	13A02150-090
	1	SKIN - TRAILING EDGE LT.	10A02150-193
	1	SKIN - TRAILING EDGE RT.	10A02150-192
	1	STRIP - TOP LT.	10A02150-195
	1	STRIP - TOP RT.	10A02150-194
	1	STRIP - BOTTOM LT.	10A02150-197
	1	STRIP - BOTTOM RT.	10A02150-196
	1	GUSSET-#1 RIB, MAIN STRUT	13A02163-018
	1	GUSSET-#2 RIB, MAIN STRUT	13A02163-019
	1	GUSSET-#3 RIB, MAIN STRUT	13A02163-020
	1	GUSSET-#4 RIB, MAIN STRUT	13A02163-021
	1	RIB-MAIN STRUT, CTR. #1	13A02150-084
	1	RIB-MAIN STRUT, CTR. #2	13A02150-085
	1	RIB-MAIN STRUT, CTR. #3	13A02150-086
	1	RIB-MAIN STRUT, CTR. #4	13A02150-087
	1	STIFFENER, MAIN STRUT LT.	13A02150-109
	2	GROMMET	MS35489-2
	1	PIN, CLEVIS	MS20392-3C51
	3	PULLEY	MS20219-2
	1	BRACKET - GUIDE CABLE	10A08427-032
	3	GUIDE, CABLE	10A08605-003
	113	NUTPLATE	MS21059L3
	1	PULLEY BRACKET, MAIN STRUT	10A02367-004
	1	ACCESS COVER	6A13002-218
	2	SCREW	AN526-1032R10
	108	WASHER	NA51149F0332P
	2	SCREW	AN526-832R12
	1	PIN, COTTER	MS24665-134
	1	PIN, COTTER	MS24665-136
	1	PULLEY BRACKET MAIN STRUT TOP	10A12162-072
	1	BRACKET, PULLEY MAIN STRUT TOP	10A12162-071
	3	PULLEY	MS24566-1B
	1	BOLT	AN3-7A
	20	WASHER	NAS1149F0363P
	1	BOLT	AN3-10A
	2	NUT	MS21083N3
	8	BOLT	AN3-6A
	10	NUT	MS21044N3
	103	SCREW	AN526-1032R8
	2	NUT	MS21044N08
	1	SKIN, LEADING EDGE RT	10A02163-120
	1	SKIN, LEADING EDGE LT	10A02163-119

INSTALLATION STRUTS, REAR - FIGURE 7

ITEM	QTY	DESCRIPTION	PART NUMBER
	1	REINFORCEMENT, INSPECTION COVER	6A13002-217
	1	PIN, COTTER	MS24665-132
	1	NUTPLATE	MS21071L3
	1	NUTPLATE	MS21061L3
	1	SPACER - PULLEY BRACKET	10A12200-009
13	2	BOLT	AN12-36A
	2	WASHER	NAS1149F1232P
	2	NUT	MS20365-1216
14	2	FITTING - UPPER	1002216
	2	BOLT	AN6-27A
	2	WASHER	NAS1149F0663P
	2	NUT	MS21044N6
	12	BOLT	AN8-30A
	24	WASHER	NAS1149F0863P
	12	NUT	MS21044N8
	4	BUSHING	13A02454-002
15	2	BOLT	AN8-32A
	2	WASHER	NAS1149F0863P
	2	NUT	MS21044N8
16	2	PIN	13A02518-003
17	2	BOLT	AN10-25A
	2	WASHER	NAS1149F1063P
18	2	BARREL NUT	13A02458-005
19	1	FITTING - MAIN STRUT - FLOAT	13A01161-002
20	2	BOLT	AN8-15A
	4	WASHER	NAS1149F0863P
	2	NUT	MS21044N8
21	2	FITTING – SUPPORT	13A02070-004

MAIN GEAR WHEEL ASSEMBLY

FIGURE 8



MAIN GEAR WHEEL ASSEMBLY - FIGURE 8

ITEM	QTY	PART DESCRIPTION	PART NO.
		ASSY. WHEEL & TIRE (INCLUDES 1 & 2)	13A04000-055
1	1	TIRE (TYPE III)	AA1N6
	1	TUBE	XA1AM
2	1	WHEEL ASSY. (INCLUDES 3 THRU 10)	40-101
3	1	SEAL OUTSIDE	1001994
4	1	SEAL INSIDE	1001996
5	2	BEARING - CONE	LM29749 / LM29749CP
		BEARING – CONE – CHROME PLATED	LM29749CP
6	2	BEARING - CUP	LM29710 / LM29710CP
		BEARING – CONE – CHROME PLATED	LM29710CP
7	1	GREASE RETAINER	N/A
8	9	BOLT	AN4-40A
9	9	NUT	MS21044N4
10	15	WASHER	NAS1149F0463P
11	1	BRAKE ASSY. (INCLUDES 12 & 13)	30-67C
12	1	LINING ASSY. OUTSIDE	073-01500
	4	LINING	06610800
		RIVETS	105-00200
13	2	LINING ASSY. INSIDE	074-01300
	1	BLEEDER (NOT SHOWN)	081-00200
	1	BLEEDER NUT (NOT SHOWN)	079-00300
14	1	TORQUE PLATE	075-04200
15	1	BRAKE DISC	164-03006
16	1	GASKET	13A04620-002
17	1	BUSHING - BEARING	6A04093-002

MAIN GEAR WHEEL ASSEMBLY - FIGURE 8

ITEM	QTY	PART DESCRIPTION	PART NO.
18	1	NUT	MS21025-24
19	1	COTTER PIN	MS244665-349

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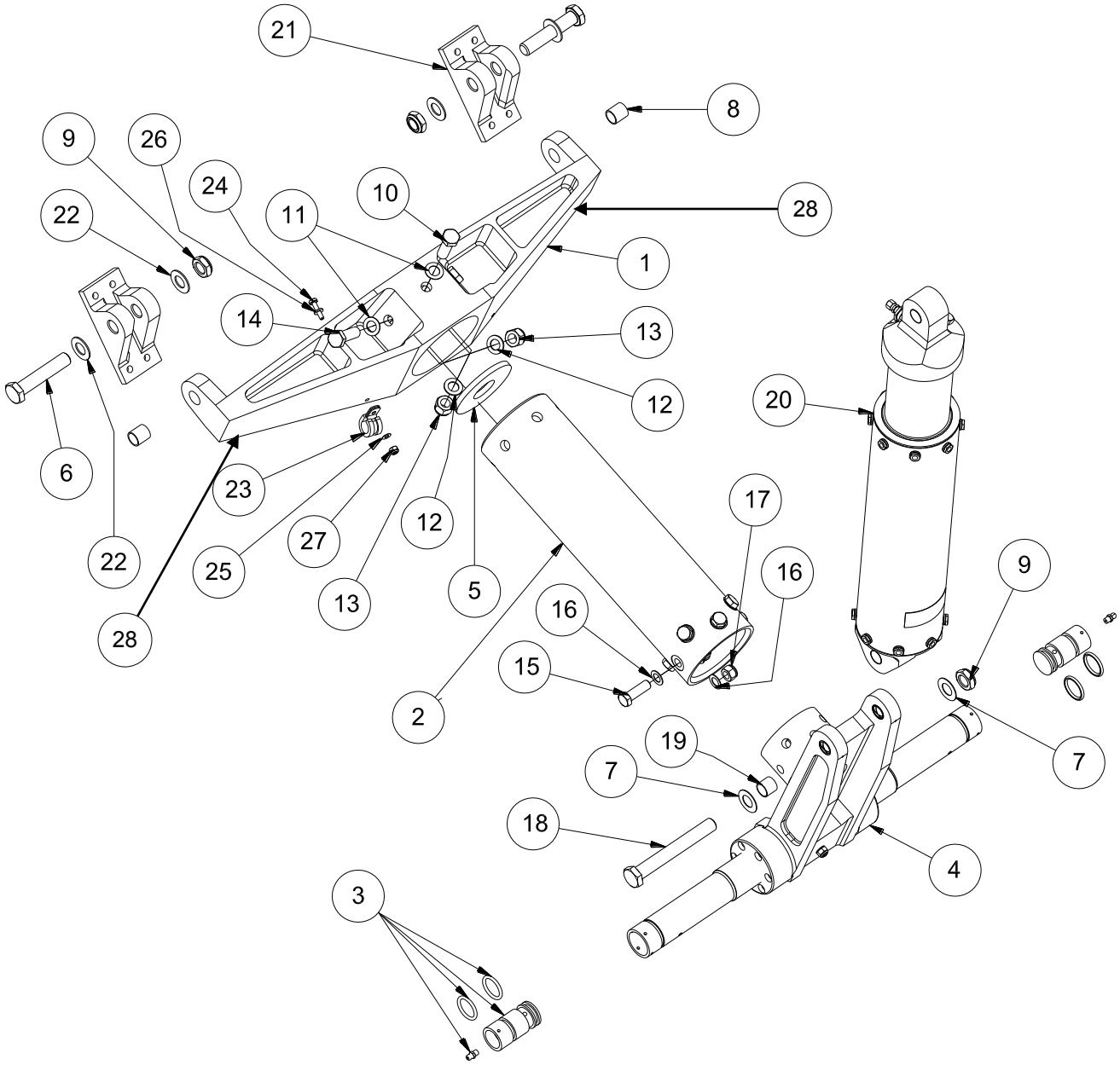
MAIN GEAR AXLE ASSEMBLY

FIGURE 9



MAIN GEAR AXLE ASSEMBLY - FIGURE 9

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	ASSY. - DRAG BRACE (COMPLETE)	13A04000-057
1	1	FITTING - DRAG LINK	13A04081-001
2	1	TUBE - DRAG LINK	13A04289-001
3	1	INSERT	6A04263-003
	2	O-RING	MS28775-214
	1	GREASE ZERK	1095K1
4	1	ASSY. AXLE - DRAG LINK	13A04000-058
5	1	PLUG - TUBE UPPER END	13A04231-003
6	2	BOLT	AN10-30A
7	2	WASHER	NAS1149D1032J
8	2	BUSHING - BEARING	1001886-01
9	3	NUT	MS21044N10
10	2	BOLT	AN8-13A
11	6	WASHER	NAS1149F0832P
12	12	WASHER	NAS1149D0863J
13	6	NUT	MS21044N8
14	4	BOLT	AN8-14A
15	8	BOLT	AN7-12A
16	16	WASHER	NAS1149D0763J
17	8	NUT	MS21044N7
18	1	BOLT	AN10-46A
19	2	BUSHING - BEARING	1001886

MAIN GEAR AXLE ASSEMBLY - FIGURE 9

ITEM	QTY	PART DESCRIPTION	PART NO.
20	1	ASSY. - SHOCK STRUT (SEE FIGURE 10)	13A04000-059
21	1	TRUNNION RT.	13A04030-002
	1	TRUNNION LT.	13A04030-003
	A/R	BEARING	1001886
22	4	WASHER	NAS1149D1063J
23	1	ADEL CLAMP	MS21919DG9
24	1	BOLT	AN3-7A
25	1	WASHER, THIN	NAS114D03316J
26	1	WASHER, THICK	NAS114D03363J
27	1	NUT	MS21044N3
28	2	GREASE ZERK	109-5K41

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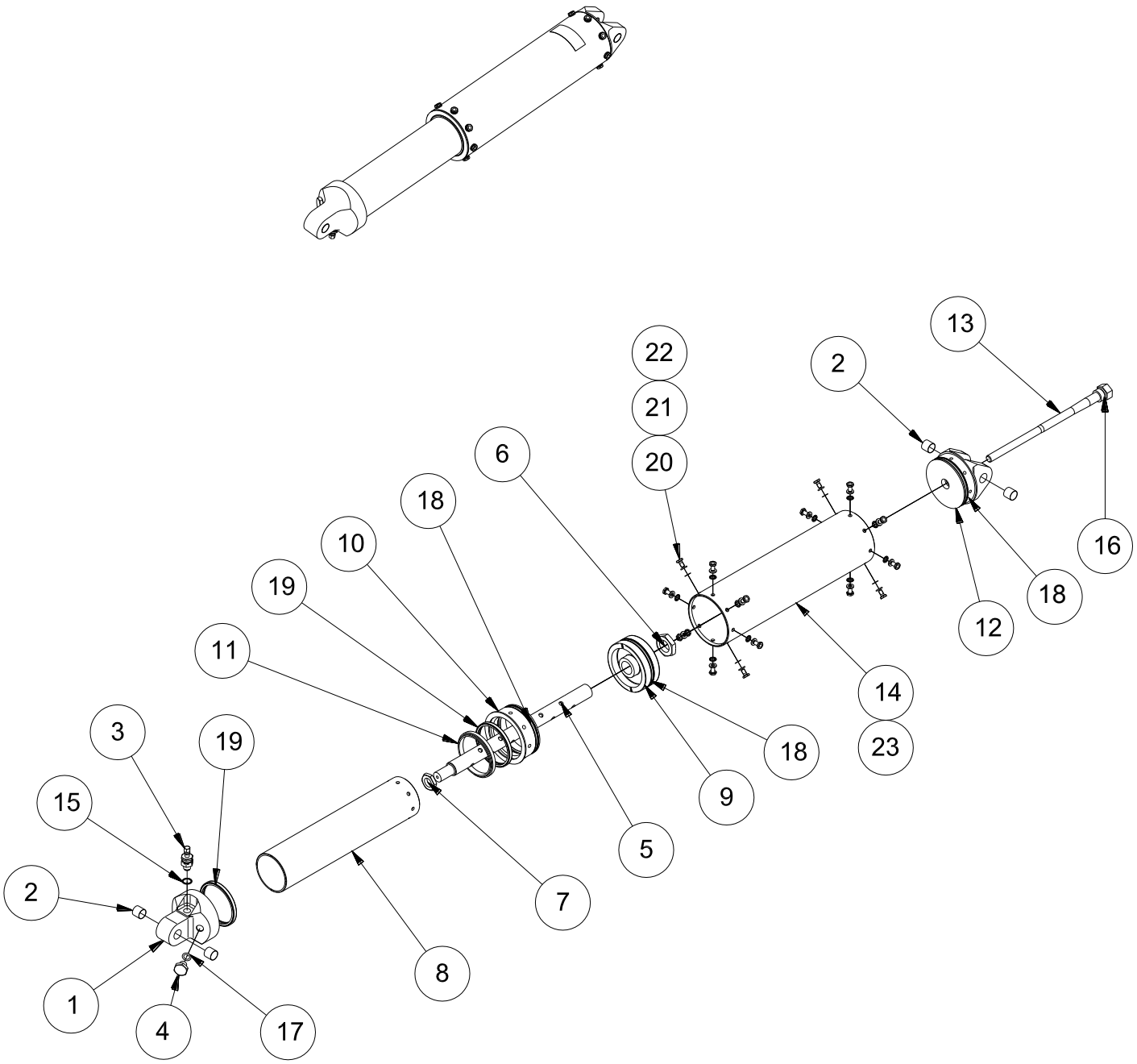
OLEO SHOCK STRUT ASSEMBLY (T-SEALS INSTALLED)

FIGURE 10



OLEO SHOCK STRUT ASSEMBLY – FIGURE 10

ITEM	QTY	PART DESCRIPTION	PART NO.
-	1	SHOCK STRUT ASSY (COMPLETE)	13A04000-059
-	1	OLEO REBUILD KIT (includes items 11, 15, 16, 17, 18, 19)	KT13A04-001
1	1	CAP - UPPER END	13A04098-003
2	4	BUSHING - BEARING	10DU10
3	1	VALVE	MS28889-2
4	1	PLUG	6A04271-003
5	1	METERING TUBE	1001031
6	1	CHECK NUT	6A04276-001
7	1	CHECK NUT	6A04275-001
8	1	INNER CYLINDER	13A04498-002
9	1	PISTON	13A04098-005
10	1	GLAND	13A04297-002
11	1	WIPER	888 1910
12	1	CAP, LOWER END	13A04098-004
13	1	METERING PIN	13A04261-006
14	1	OUTER CYLINDER	13A04119-001
15	1	O-RING	MS28775-015
16	1	O-RING	MS28775-116
17	1	O-RING	MS28775-111
18	3	T-SEAL,	1001930

OLEO SHOCK STRUT ASSEMBLY – FIGURE 10

ITEM	QTY	PART DESCRIPTION	PART NO.
19	2	T-SEAL,	1001929
20	16	BOLT	NAS6204-2
21	16	WASHER	MS35333-40
22	16	WASHER	NAS1149D0463J
23	1	PLACARD	7A3-4089

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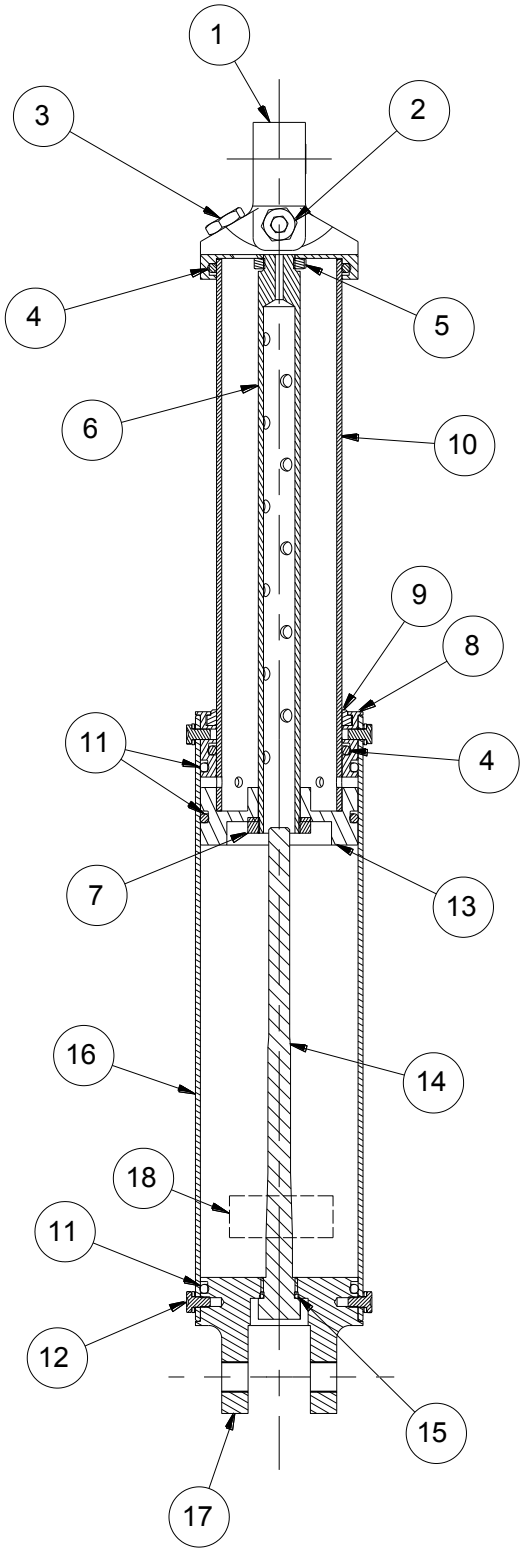
OLEO SHOCK STRUT ASSEMBLY (O-RINGS INSTALLED)

FIGURE 10



OLEO SHOCK STRUT ASSEMBLY-FIGURE 10

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	ASSY SHOCK STRUT (COMPLETE)	13A04000-059
1	1	CAP UPPER END	13A04098-003
	1	BUSHING-BEARING	10DU10
2	1	VALVE, SHRADER	MS28889-2
	1	“O” RING	MS28775-015
3	1	CAP-FILLER	6A04271-003
	1	"O" RING	MS28775-111
4	2	"O" RING	MS28775-337
5	1	NUT-UPPER	6A04275-001
6	1	METERING TUBE	1001031
7	1	NUT-LOWER	6A04276-001
8	1	GLAND	13A04297-002
9	1	WIPER	888 1910
10	1	INNER CYLINDER, SHOCK STRUT	13A04498-002
11	3	"O" RING	MS28775-340
12	16	BOLT	NAS6204-2
	16	WASHER	NAS1149D0463J
	16	WASHER	MS35333-40
13	1	PISTON	13A04098-005
14	1	METERING PIN	13A04261-006
15	1	"O" RING	MS28775-116
16	1	OUTER CYLINDER, SHOCK STRUT	13A04119-001
17	1	CAP-LOWER END	13A04098-004
	2	BUSHING-BEARING	10DU10

OLEO SHOCK STRUT ASSEMBLY-FIGURE 10

ITEM	QTY	PART DESCRIPTION	PART NO.
18	1	PLACARD	7A3-4089

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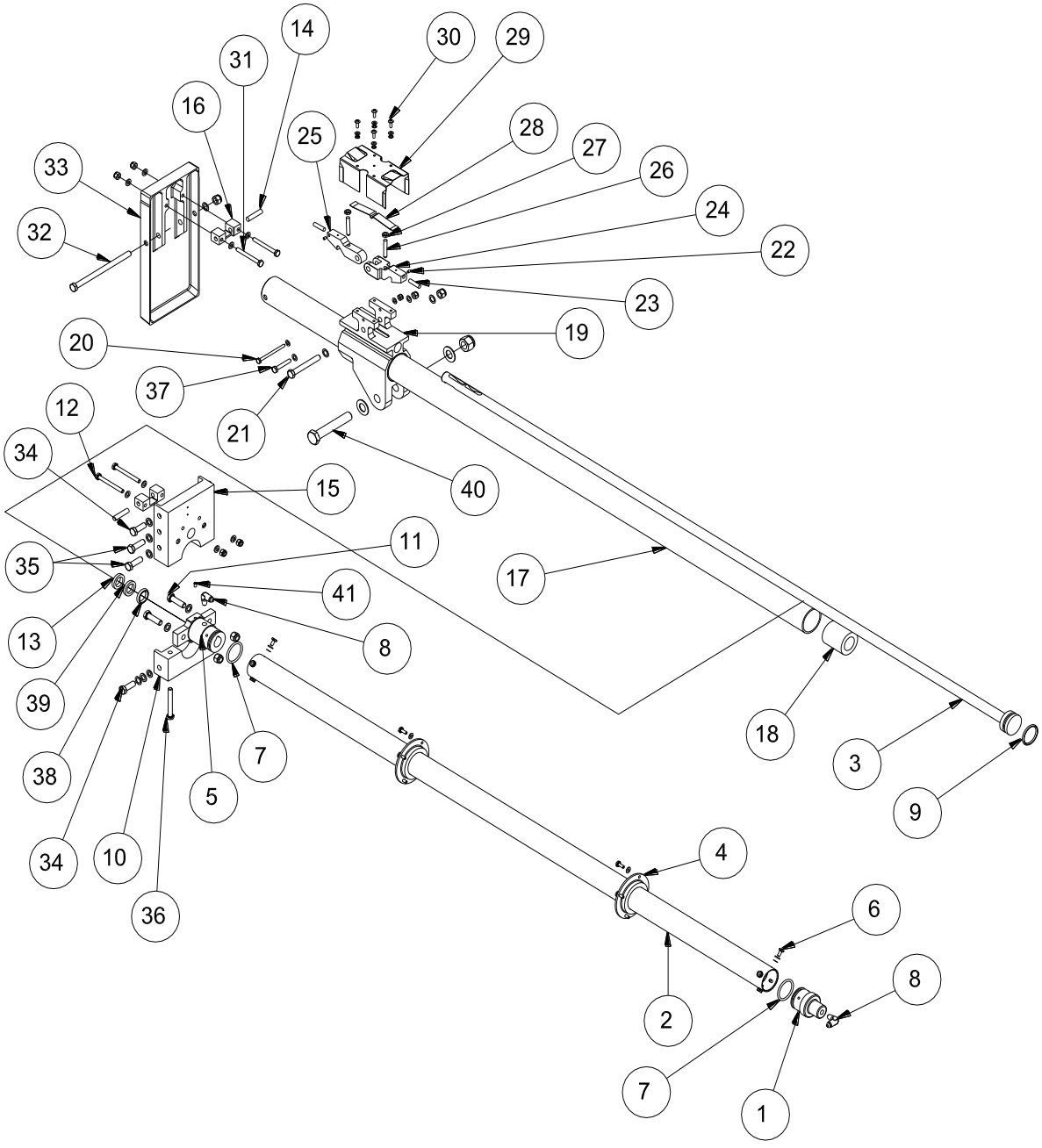
MAIN GEAR RETRACTION (T-SEALS INSTALLED)

FIGURE 11



MAIN GEAR RETRACTION – FIGURE 11

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	CYLINDER - END CAP	1002236
2	1	CYLINDER - OUTSIDE	1002010
3	1	ASSY RAM	1002224
4	2	RING - CYLINDER SUPPORT	6A05181-001
	2	"O" RING	MS28775-327
	8	BOLT - ATTACH	AN3-4A
	8	WASHER	NAS1149F0363P
	8	NUT	MS21044N3
5	1	FLANGE - CYLINDER END ASSY	1002235
6	8	BOLT	NAS6203-2
	8	WASHER	NAS1149D0363J
	8	WASHER	MS35333-39
7	2	T SEAL	1002229
8	2	ELBOW	MS20822-4D
9	1	T SEAL	1002229
10	1	CAP - SLIDE TUBE	13A05073-004
11	2	BOLT - FLANGE CYL. END ATTACH	AN6-12A
	4	WASHER	NAS1149F0663P
	2	NUT	MS21044N6
12	2	BOLT	AN4-24A
	4	WASHER	NAS1149F0463P
	2	NUT	MS21044N4
13	1	WIPER - NYLON	8880410
14	2	LOCK - PIN	6A05702-008
15	1	FITTING - SLIDE TUBE	13A05064-002

MAIN GEAR RETRACTION – FIGURE 11

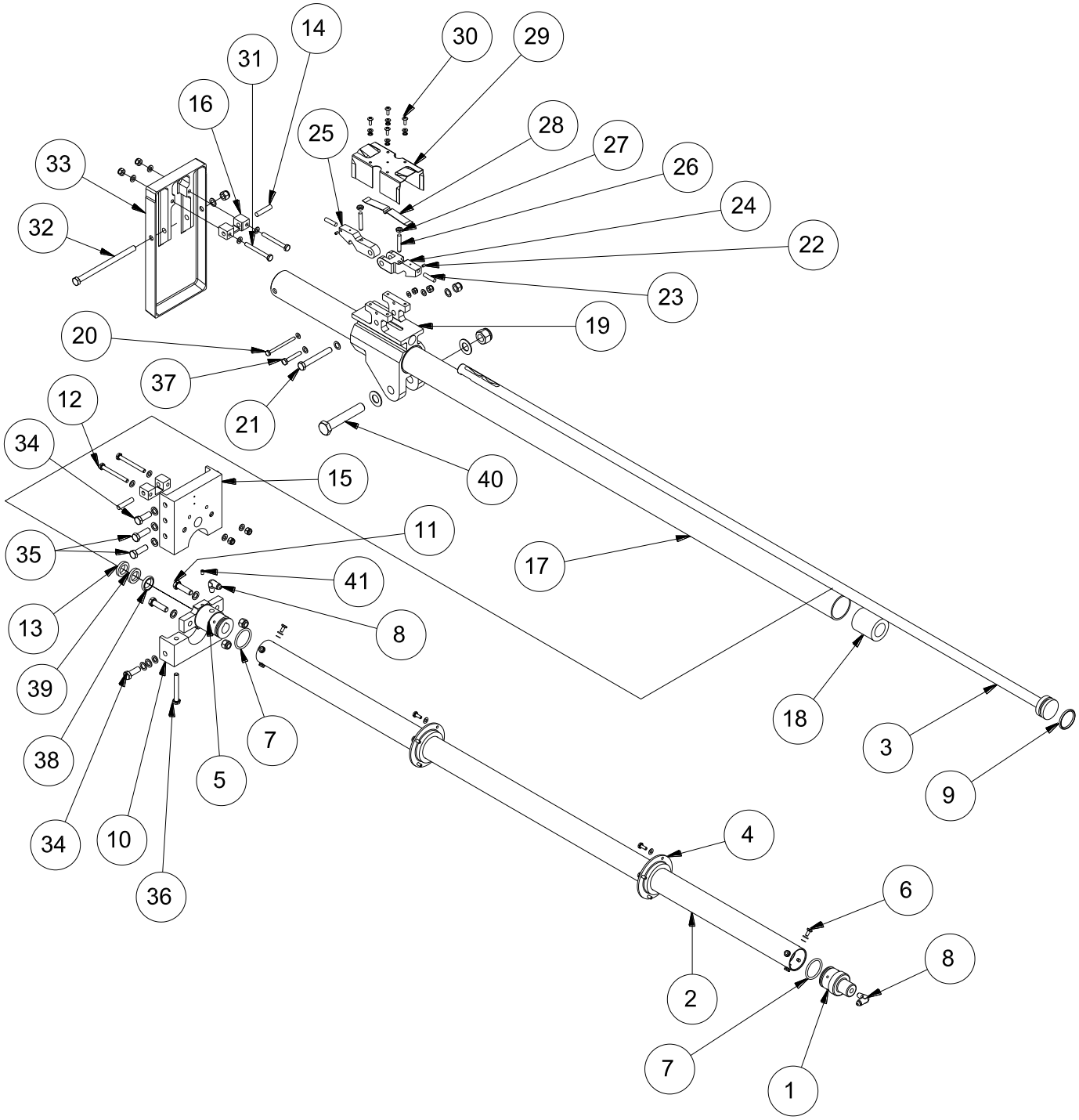
ITEM	QTY	PART DESCRIPTION	PART NO.
16	2	LOCK - FITTING	6A05193-001
17	1	SLIDE TUBE	13A05120-001
18	1	INSERT (AFT END)	13A05099-001
19	1	CARRIAGE	1002239
	2	BEARING – BUSHING	32DU16
20	1	BOLT - SPRING ATTACH	AN3-25A
	2	WASHER	NAS1149F0363P
	1	NUT	MS21044N3
21	1	BOLT - LOCK ATTACH	AN6-26A
	2	WASHER	NAS1149D0663J
	1	NUT	MS21044N6
22	2	SET SCREW - MAGNET	10-32 X 3/16 S.S. CP
23	2	MAGNET	3A05701-001
24	1	LOCK - AFT	6A05042-001
25	1	LOCK - FORWARD	6A05041-001
26	2	SCREW - SET	6A05087-001
27	2	JAMB NUT	AN316-4R
28	1	SPRING - LOCK	6A05533-001
29	1	COVER - CARRIAGE	6A05158-019
30	4	SCREW - COVER ATTACH	AN526-832R8
	4	WASHER	NAS1149FN816P
	4	WASHER	MS35333-38
31	2	BOLT - LOCK ATTACH	AN4-24A
	4	WASHER	NAS1149F0463P
	2	NUT	MS21044N4

MAIN GEAR RETRACTION – FIGURE 11

ITEM	QTY	PART DESCRIPTION	PART NO.
32	1	BOLT - FWD SLIDE TUBE ATTACH	AN6-56A
	1	WASHER	NAS1149F0663P
	1	NUT	MS21044N6
33	1	FITTING FWD TUNNEL	13A01210-003
34	4	BOLT - FITTING & CAP ATTACH	AN6-10A
	4	WASHER	MS1149D0663J
	4	NUT	MS21044N6
35	4	BOLT - FITTING ATTACH	AN6-11A
	4	WASHER	NAS1149D0663J
	4	NUT	MS21044N5
36	2	BOLT - CAP ATTACH	AN5H22A
	2	WASHER	NAS1149F0563P
	2	NUT	MS21044N5
37	1	BOLT - RAM KEEPER	AN4-14A
	2	WASHER	NAS1149D0463J
	1	NUT	MS21044N4
38	2	T SEAL	1002231
39	1	WIPER - FELT	6A05580-004
40	1	BOLT - SHOCK STRUT ATTACH	AN10-34A
	2	WASHER	NAS1149D1032J
	1	NUT	MS21044N10
41	1	VALVE - OILER	1214K1

MAIN GEAR RETRACTION (O-RINGS INSTALLED)

FIGURE 15



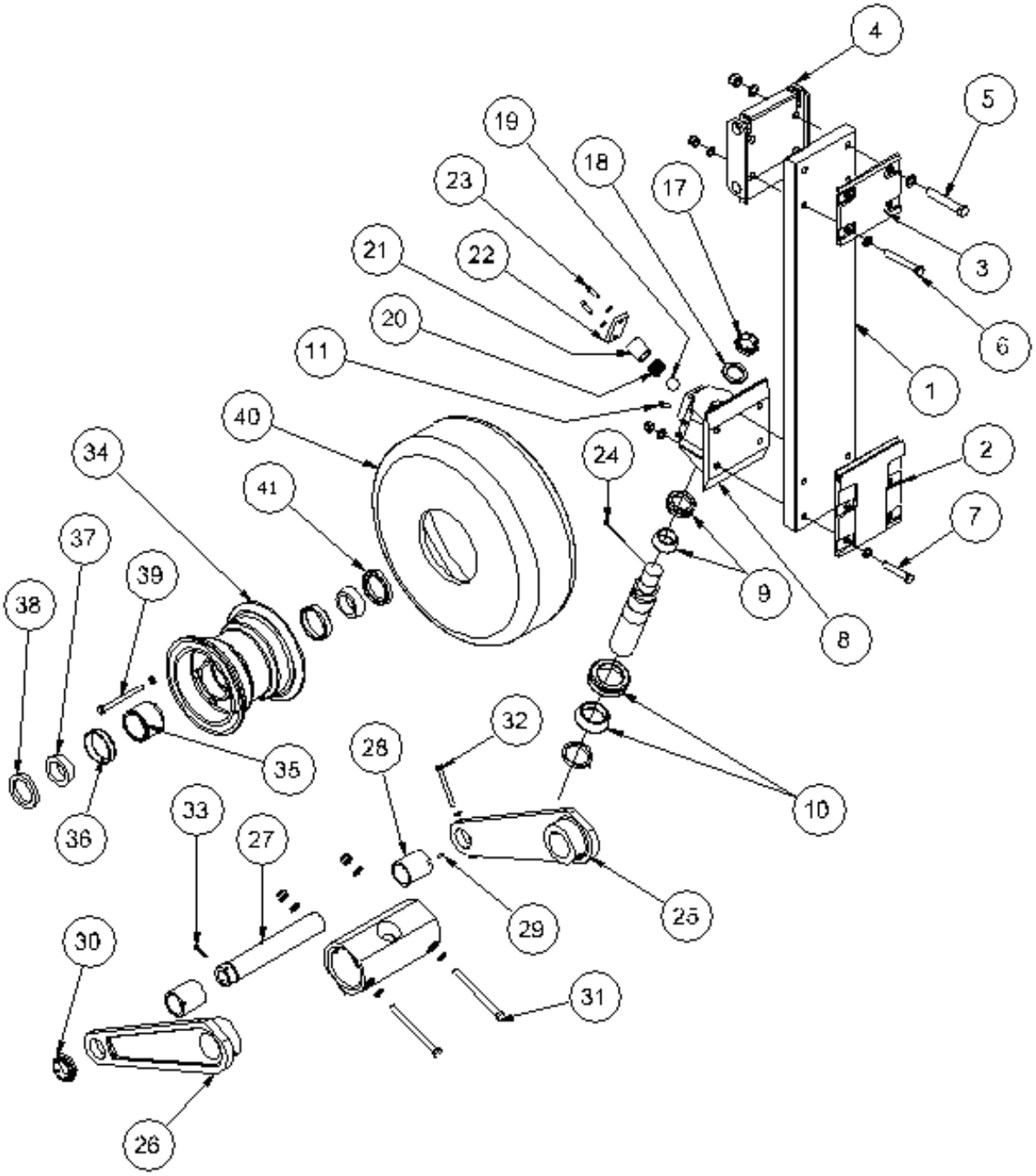
ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	CYLINDER - END CAP	6A05268-001
2	1	CYLINDER - OUTSIDE	13A05116-005
3	1	ASSY. - RAM	13A05000-012
4	2	RING - CYLINDER SUPPORT	6A05181-001
	2	"O" RING	MS28775-327
	8	BOLT - ATTACH	AN3-4A
	8	WASHER	NAS1149F0363P
	8	NUT	MS21044N3
5	1	FLANGE - CYLINDER END	6A05199-001
6	8	BOLT	NAS6203-2
	8	WASHER	NAS1149D0363J
	8	NUT	MS35333-39
7	2	"O" RING	MS28775-220
8	2	ELBOW	MS20822-4D
9	1	"O" RING	MS28775-219
10	1	CAP - SLIDE TUBE	13A05073-004
11	2	BOLT - FLANGE CYL. END ATTACH	AN6-12A
	4	WASHER	NAS1149F0663P
	2	NUT	MS21044N6
12	2	BOLT	AN4-24A
	4	WASHER	NAS1149F0463P
	2	NUT	MS21044N4
13	1	WIPER - NYLON	8880400U
14	2	LOCK - PIN	6A05702-008
15	1	FITTING - SLIDE TUBE	13A05064-002
16	2	LOCK - FITTING	6A05193-001

ITEM	QTY	PART DESCRIPTION	PART NO.
17	1	SLIDE TUBE	13A05120-001
18	1	INSERT (AFT END)	13A05099-001
19	1	CARRIAGE WITH BUSHINGS	13A05316-001
	2	BEARING - BUSHING	32DU16
20	1	BOLT - SPRING ATTACH	AN3-25A
	2	WASHER	NAS1149F0363P
	1	NUT	MS21044N3
21	1	BOLT - LOCK ATTACH	AN6-26A
	2	WASHER	NAS1149D0663J
	1	NUT	MS21044N6
22	2	SET SCREW - MAGNET	1032NF X 3/16
23	2	MAGNET	3A05701-001
24	1	LOCK - AFT	6A05042-001
25	1	LOCK - FORWARD	6A05041-001
26	2	SCREW - SET	6A05087-001
27	2	JAMB NUT	AN316-4R
28	1	SPRING - LOCK	6A05533-001
29	1	COVER - CARRIAGE	6A05158-019
30	4	SCREW - COVER ATTACH	AN526-832R8
	4	WASHER	NAS1149FN816P
	4	WASHER	MS35333-38
31	2	BOLT - LOCK ATTACH	AN4-24A
	4	WASHER	NAS1149F0463P
	2	NUT	MS21044N4
32	1	BOLT - FWD SLIDE TUBE ATTACH	AN6-56A
	1	WASHER	NAS1149F0663P
	1	NUT	MS21044N6

ITEM	QTY	PART DESCRIPTION	PART NO.
33	1	FITTING FWD TUNNEL	13A01210-003
34	4	BOLT - FITTING & CAP ATTACH	AN6-10A
	4	WASHER	MS1149D0663J
	4	NUT	MS21044N6
35	4	BOLT - FITTING ATTACH	AN6-11A
	4	WASHER	MS1149D0663J
	4	NUT	MS21044N5
36	2	BOLT - CAP ATTACH	AN5H22A
	2	WASHER	NAS1149F0563P
	2	NUT	MS21044N5
37	1	BOLT - RAM KEEPER	AN4-14A
	2	WASHER	NAS1149D0463J
	1	NUT	MS21044N4
38	1	"O" RING	MS28775-314
39	1	WIPER - FELT	6A05580-004
40	1	BOLT - SHOCK STRUT ATTACH	AN10-34A
	2	WASHER	NAS1149D1032J
	1	NUT	MS21044N10
41	1	VALVE - OILER	1214K1

NOSE GEAR LOWER END ASSEMBLY

FIGURE 12



NOSE GEAR LOWER END ASSEMBLY – FIGURE 12

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	SPRING – NOSE (yellow)	13A06633-001
		SPRING – NOSE (white)	1001879
2	1	PLATE - UP STOP	13A07232-001
3	1	PLATE	13A07212-002
4	1	TROLLEY	13A07080-001
5	2	BOLT	AN8-33A
	2	WASHER	NAS1149F0863P
	2	WASHER	NAS1149D0816J
	2	NUT	MS21044N8
6	2	BOLT	AN7-31A
	2	WASHER	NAS1149F0763P
	2	WASHER	NAS1149D0716J
	2	NUT	MS21044N7
7	4	BOLT	AN7-24A
	8	WASHER	NAS1149F0732P
	4	NUT	MS21044N7
	1	PIVOT BLOCK ASSY.	10A06000-039
8	1	PIVOT BLOCK	10A06299-001
9	1	CONTACT BEARING CUP & CONE ASSY. Sold as a set only (shrink fit)	10A06000-036
10	1	CONTACT BEARING CUP & CONE ASSY. Sold as a set only (shrink fit)	10A06000-037
11	3	GREASE ZERK	1095K41
17	1	CASTLE NUT	MS21025-20
18	1	WASHER - NOSE PIVOT	10A06462-020
19	1	BALL BEARING	9528K32
20	1	SPRING	3A06525-002

NOSE GEAR LOWER END ASSEMBLY – FIGURE 12

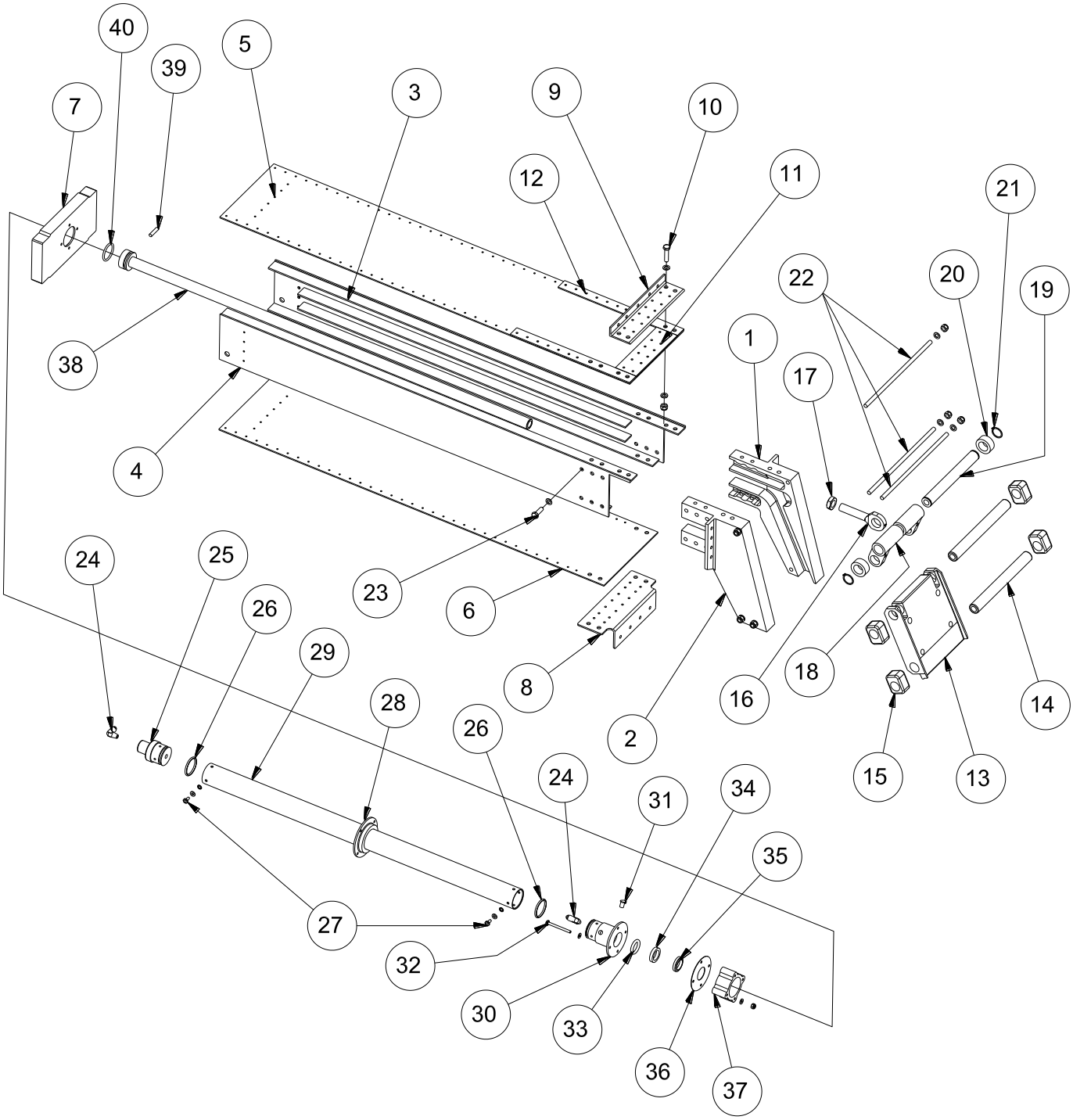
ITEM	QTY	PART DESCRIPTION	PART NO.
21	1	RETAINER - NOSE PIVOT BALL	10A06512-004
22	1	CAP - PIVOT BLOCK	3A06037-001
23	2	BOLT	MS16997-60
	2	WASHER - LOCK	MS35333-40
24	1	COTTER PIN	MS24665-359
25	1	LEG - NOSE FORK LT.	13A06199-007
26	1	LEG - NOSE FORK RT.	13A06199-008
27	1	AXLE - NOSE WHEEL	13A06097-001
	1	GREASE ZERK	1095K41
28	2	SPACER - AXLE	13A06251-002
29	2	ROLL PIN	215-125-0750
30	1	CASTLE NUT	MS21025-24
31	2	BOLT	AN7-43A
	2	WASHER	NAS1149F0763P
	2	WASHER	NAS1149F0732P
	2	NUT	MS21044N7
32	1	BOLT	AN4-27A
	2	WASHER	NAS1149F0463P
	1	NUT	MS21044N4
33	1	COTTER PIN	MS24665-349
34	1	WHEEL ASSY. (W/ TIRE & TUBE)	13A06000-015
	1	WHEEL ASSY. (INCLUDES 35 THRU 41)	40-426
35	1	GREASE RETAINER	067-14700
36	2	CUP - BEARING	13836
37	2	CONE - BEARING	13889

NOSE GEAR LOWER END ASSEMBLY – FIGURE 12

ITEM	QTY	PART DESCRIPTION	PART NO.
38	1	SEAL - OUTSIDE (undrilled)	472439
39	6	BOLT	AN5-35A
	12	WASHER	NAS1149F0532P
	6	NUT	MS21044N5
40	1	TIRE 600 X 6 8 PLY	AA 1E6
	1	TUBE 600 X 6	XA 1AD
41	1	SEAL – INSIDE (drilled)	1002264

NOSE GEAR RETRACTION ASSEMBLY (T-SEALS INSTALLED)

FIGURE 13



NOSE GEAR RETRACTION ASSEMBLY (T-SEALS INSTALLED)

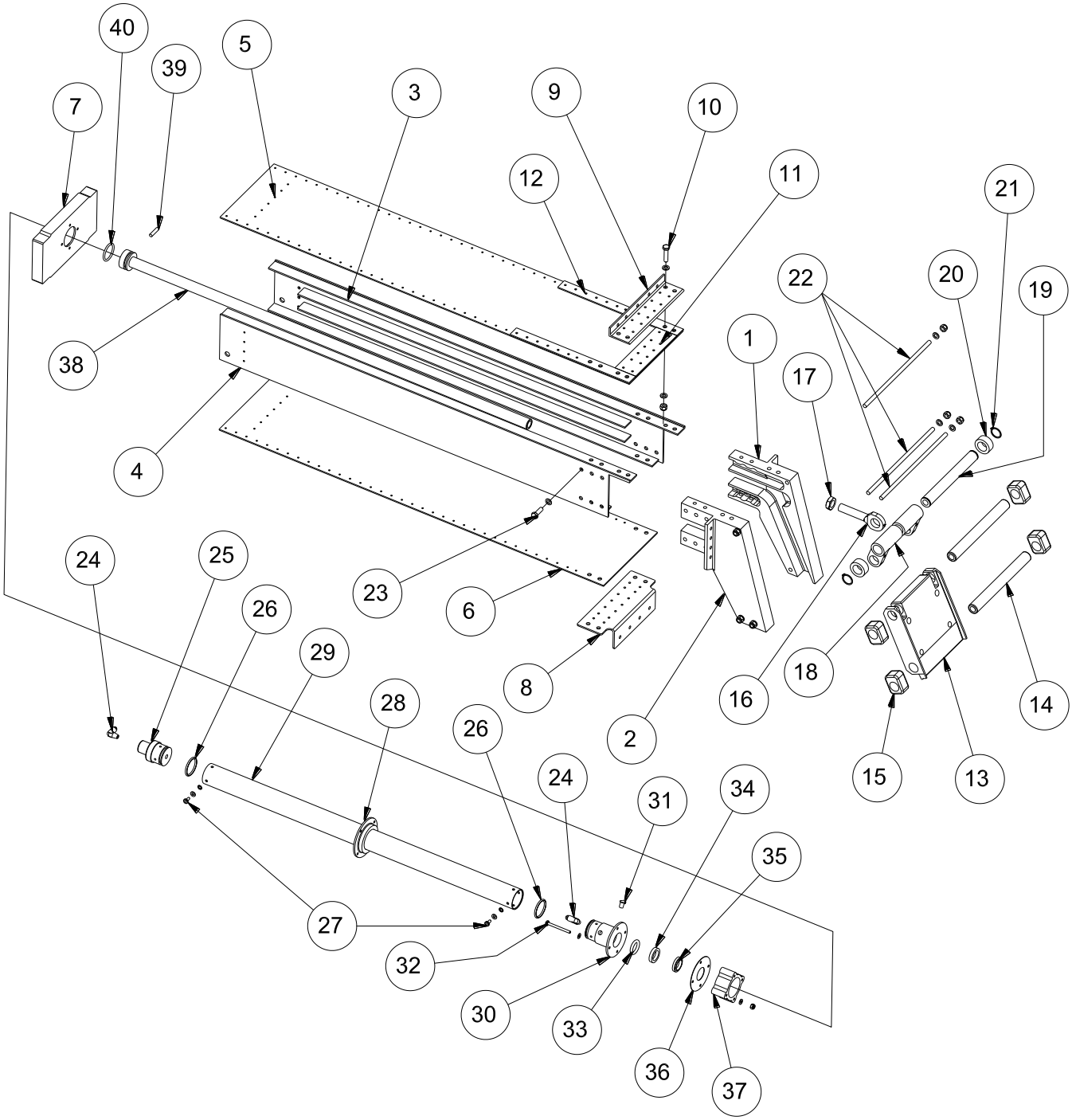
ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	TRACK - FRONT LT.	13A07104-001
2	1	TRACK - FRONT RT.	13A07104-002
3	1	TRACK - SIDE LT.	13A07373-001
4	1	TRACK - SIDE RT.	13A07373-002
5	1	COVER - NOSE BOX - TOP	13A07156-082
	4	BOLT	AN5-6A
	8	WASHER	NAS1149F0563P
	4	NUT	MS21044N5
6	1	COVER - NOSE BOX - BOTTOM	13A07156-083
7	1	END CAP - NOSE BOX	13A07201-003
8	1	ANGLE - NOSE BOX - BOTTOM	13A07160-011
	4	BOLT	AN5-6A
	8	WASHER	NAS1149F0563P
	4	NUT	MS21044N5
9	1	ANGLE - NOSE BOX - TOP	13A07357-048
10	4	BOLT	AN5-12A
	8	WASHER	NAS1149F0563P
	4	NUT	MS21044N5
11	1	SPACERS - NOSE BOX	13A07156-086
12	2	SPACERS - NOSE BOX	13A07156-087
13	1	TROLLEY - NOSE GEAR	13A07080-001
14	2	AXLE - NOSE GEAR TROLLEY	13A07475-001
15	4	BLOCK - SLIDE	10A07595-001
16	1	ROD END	13A07257-003

ITEM	QTY	PART DESCRIPTION	PART NO.
17	1	JAMB NUT	AN316C10R
18	2	LINK - NOSE GEAR RAM	13A07185-004
19	1	AXLE - LINK - NOSE GEAR	13A07475-002
20	2	ROLLER - LOCK	13A07543-003
21	2	SNAP RING	5100-87-H
22	3	ROD - NOSE GEAR TRACK	13A07476-001
	6	WASHER	NAS1149F0463P
	6	NUT	MS21044N4
23	12	BOLT	AN5-7A
	24	WASHER	NAS1149F0532P
	12	NUT	MS21044N5
24	2	ELBOW	MS20822-4D
25	1	CYLINDER - END CAP	1002236
26	2	T SEALS	1002229
27	8	BOLT	NAS1103-2
	8	WASHER	NAS1149F0363P
	8	WASHER - LOCK	MS35333-39
28	1	SUPPORT RING - CYLINDER	6A05181-001
	1	"O" RING	MS28775-327
29	1	CYLINDER - OUTSIDE	1002014
30	1	FLANGE - NOSE CYLINDER	1002237
31	1	OILER	1231K2
32	4	BOLT	AN3-20A
	8	WASHER	NAS1149F0363P
	4	NUT	MS21044N3
33	1	T -SEALS	1002230

ITEM	QTY	PART DESCRIPTION	PART NO.
34	1	FELT - WIPER	6A07580-005
35	1	WIPER - NYLON	8880510
36	1	SPACER – NOSE CYLINDER	6A07158-129
37	1	SPACER - FLANGE	6A07264-003
38	1	ASSY. - RAM	13A07000-012
39	1	MAGNET	3A05701-001
40	1	T -SEALS	1002229

NOSE GEAR RETRACTION ASSEMBLY (O-RINGS INSTALLED)

FIGURE 13



ASSEMBLY NOSE GEAR RETRACTION - FIGURE 13

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	TRACK – FRONT L.	13A07104-001
2	1	TRACK – FRONT R.	13A07104-002
3	1	TRACK – SIDE L.	13A07373-001
4	1	TRACK – SIDE R.	13A07373-002
5	1	COVER – NOSE BOX – TOP	13A07156-082
	4	BOLT	AN5-6A
	8	WASHER	NAS1149F0563P
	4	NUT	MS21044N5
6	1	COVER – NOSE BOX – BOTTOM	13A07156-083
7	1	END CAP – NOSE BOX	13A07201-003
8	1	ANGLE – NOSE BOX – BOTTOM	13A07160-011
	4	BOLT	AN5-6A
	8	WASHER	NAS1149F0563P
	4	NUT	MS21044N5
9	1	ANGLE – NOSE BOX – TOP	13A07357-048
10	4	BOLT	AN5-12A
	8	WASHER	NAS1149F0563P
	4	NUT	MS21044N5
11	1	SPACERS – NOSE BOX	13A07156-086
12	2	SPACERS – NOSE BOX	13A07156-087
13	1	TROLLEY – NOSE GEAR	13A07080-001
14	2	AXLE – NOSE GEAR TROLLEY	13A07475-001
15	4	BLOCK – SLIDE	13A07603-004
16	1	ROD END	13A07257-003

ASSEMBLY NOSE GEAR RETRACTION - FIGURE 13

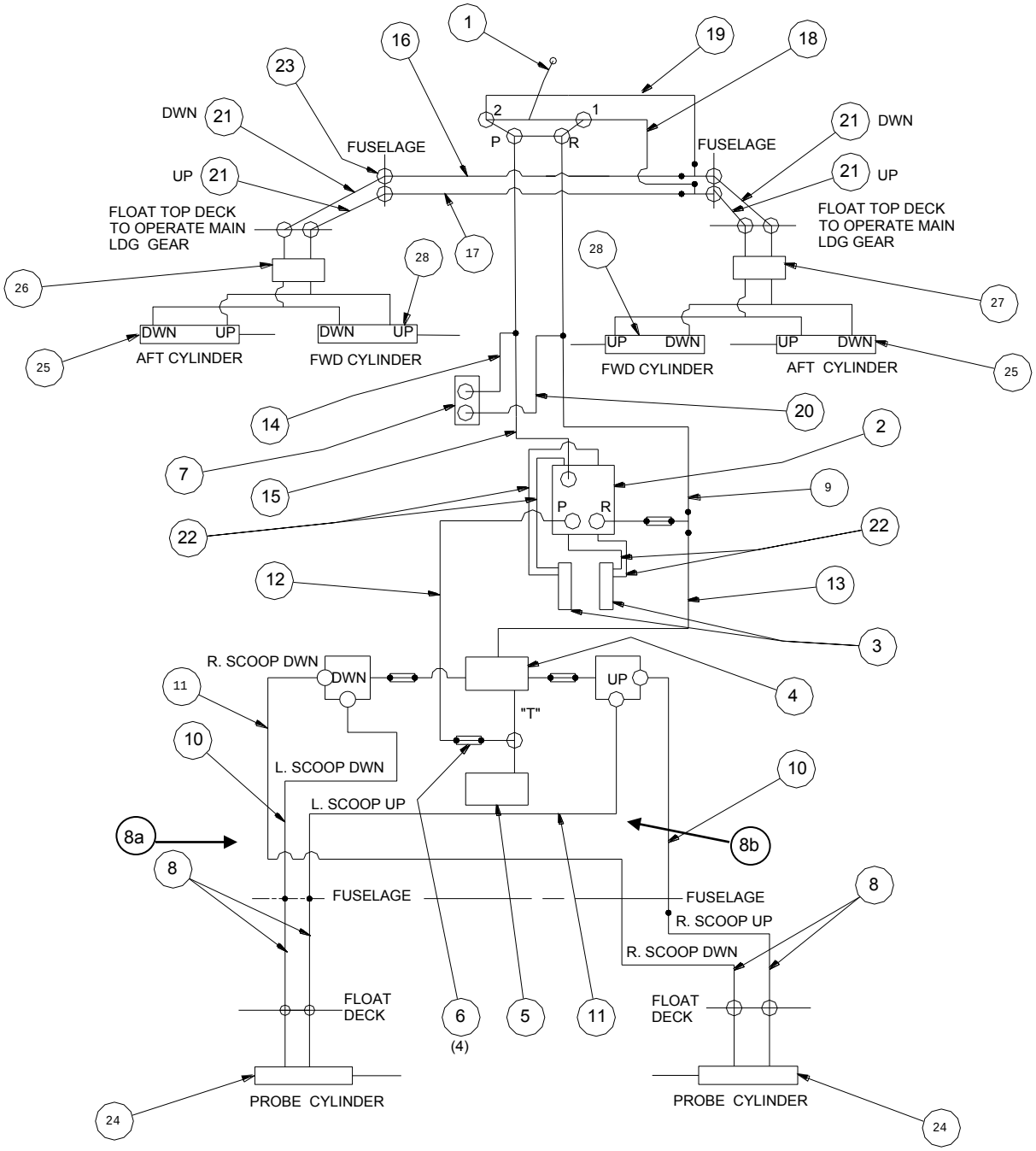
ITEM	QTY	PART DESCRIPTION	PART NO.
17	1	JAMB NUT	AN316C10R
18	2	LINK – NOSE GEAR RAM	13A07185-004
19	1	AXLE – LINK – NOSE GEAR	13A07475-002
20	2	ROLLER – LOCK	13A07543-003
21	2	SNAP RING	5100-87-H
22	3	ROD – NOSE GEAR TRACK	13A07476-001
	6	WASHER	NAS1149F0463P
	6	NUT	MS21044N4
23	12	BOLT	AN5-7A
	24	WASHER	NAS1149F0532P
	12	NUT	MS21044N5
24	2	ELBOW	MS20822-4D
25	1	CYLINDER – END CAP	6A05268-001
26	2	“O” RING	MS28775-220
27	8	BOLT	NAS1103-2
	8	WASHER	NAS1149F0363P
	8	WASHER – LOCK	MS35333-39
28	1	SUPPORT RING – CYLINDER	6A05181-001
	1	“O” RING	MS28775-327
29	1	CYLINDER – OUTSIDE	13A07116-006
30	1	FLANGE – NOSE CYLINDER	6A07264-002
31	1	OILER	1205K12
32	4	BOLT	AN3-20A
	8	WASHER	NAS1149F0363P
	4	NUT	MS21044N3

ASSEMBLY NOSE GEAR RETRACTION - FIGURE 13

ITEM	QTY	PART DESCRIPTION	PART NO.
33	1	“O” RING	MS28775-316
34	1	FELT – WIPER	6A07580-005
35	1	WIPER – NYLON	8880510
36	1	PLATE – FLANGE	6A07158-129
37	1	SPACER – FLANGE	6A07264-003
38	1	ASS”Y – RAM	13A07000-012
39	1	MAGNET	3A05701-001
40	1	“O” RING	MS28775-219

HYDRAULICS SCHEMATIC

FIGURE 14



HYDRAULIC SCHEMATIC – FIGURE 14

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	CONTROL VALVE - SELECTOR HEAD SEE FIGURE 20	10A09000-295
2	1	MANIFOLD SEE FIGURE 15a	10A09207-009
3	1	ASSY. MOTOR & PUMP SEE FIGURE SEE FIGURE 16	636603A
	2	MOTOR	MB56-N1
	2	PUMP ASSY.	633383
	2	PRESSURE SWITCH	GPP1250-40
4	1	SOLENOID VALVE	DG4V32ALMFPBWLH760
	1	3/8" MANIFOLD VALVE SEE FIGURE 15	DG4VSMED03
5	1	ACCUMULATOR	JR25000
6	1	INLINE FILTER ASSY. FILTER ONLY	9053-10 EK9052-10
8	4	FLOAT DECK TO FUS. SCOOP DWN	10A09000-312
8a	2	SCOOP-UP LINE	10A09000-322
	2	SCOOP-DOWN LINE	10A09000-323
8b	2	BULKHEAD FITTING	AN833-5D
	2	BULKHEADFITTING	AN924-42
9	1	R-MAN. TO SELEC. "R"	10A09000-298
10	1	R-MAN. TO RT. SCOOP UP	10A09000-299
	1	L-MAN. TO LT. SCOOP DWN	10A09000-302
11	1	R-MAN. TO LT. SCOOP UP	10A09000-300
	1	L-MAN. TO RT. SCOOP DWN	10A09000-301
12	1	ACCUM. TO MAN.	10A09000-303
13	1	SOLENOID VALVE TO MAN. RETURN	10A09000-304
14	1	HAND PUMP TO SELEC. "P"	10A09000-305

HYDRAULIC SCHEMATIC – FIGURE 14

ITEM	QTY	PART DESCRIPTION	PART NO.
15	1	MAN. TO SELEC. "P"	10A09000-306
16	1	LH FUS. "T" TO Rt. FUS. DWN	10A09000-307
17	1	LH FUS. "T" TO Rt. FUS. UP	10A09000-308
18	1	SELEC. DWN TO FUS. "T" DWN	10A09000-309
19	1	SELEC. UP TO FUS. "T" UP	10A09000-310
20	1	HAND PUMP TO SELEC. "R"	10A09000-311
21	4	FUS. TO FLT. DECK UP & DWN	10A09000-312
22	4	MAN. TO HYD. PUMP	8A09000-048
23	4 8 4	FITTING WASHER NUT	AN832-5D NAS1149F0863P AN924-5D
24	2	ASSY. CYLINDER PROBE JACK	10A09000-293
25	2	FIG. 11 MAIN GEAR	SEE FIGURE 11
26	1	MAINIFOLD ASSY. LT	6A09000-027
27	1	MANIFOLD ASSY. RT	6A09000-028
28	2	NOSE BOX ASSY. (Figure 13)	10A07000-018

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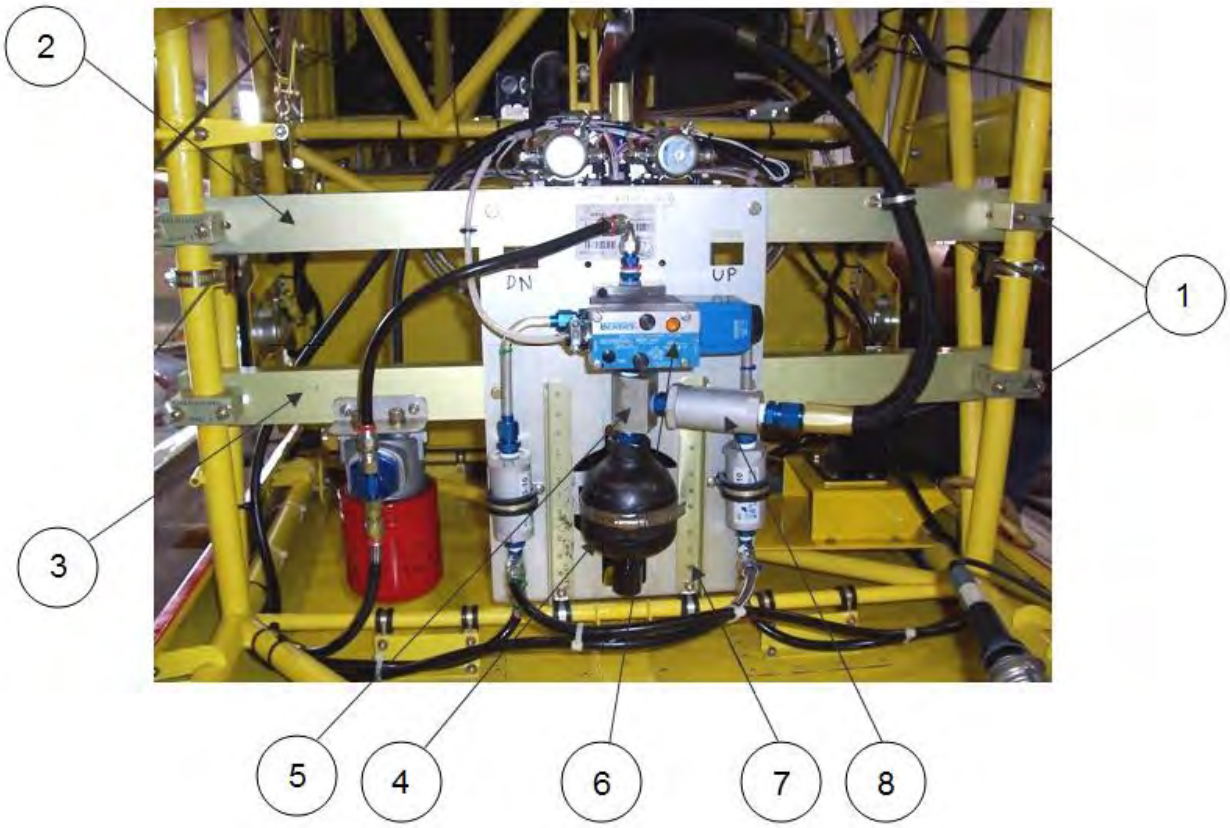
INSTALLATION HYDRAULIC PUMP

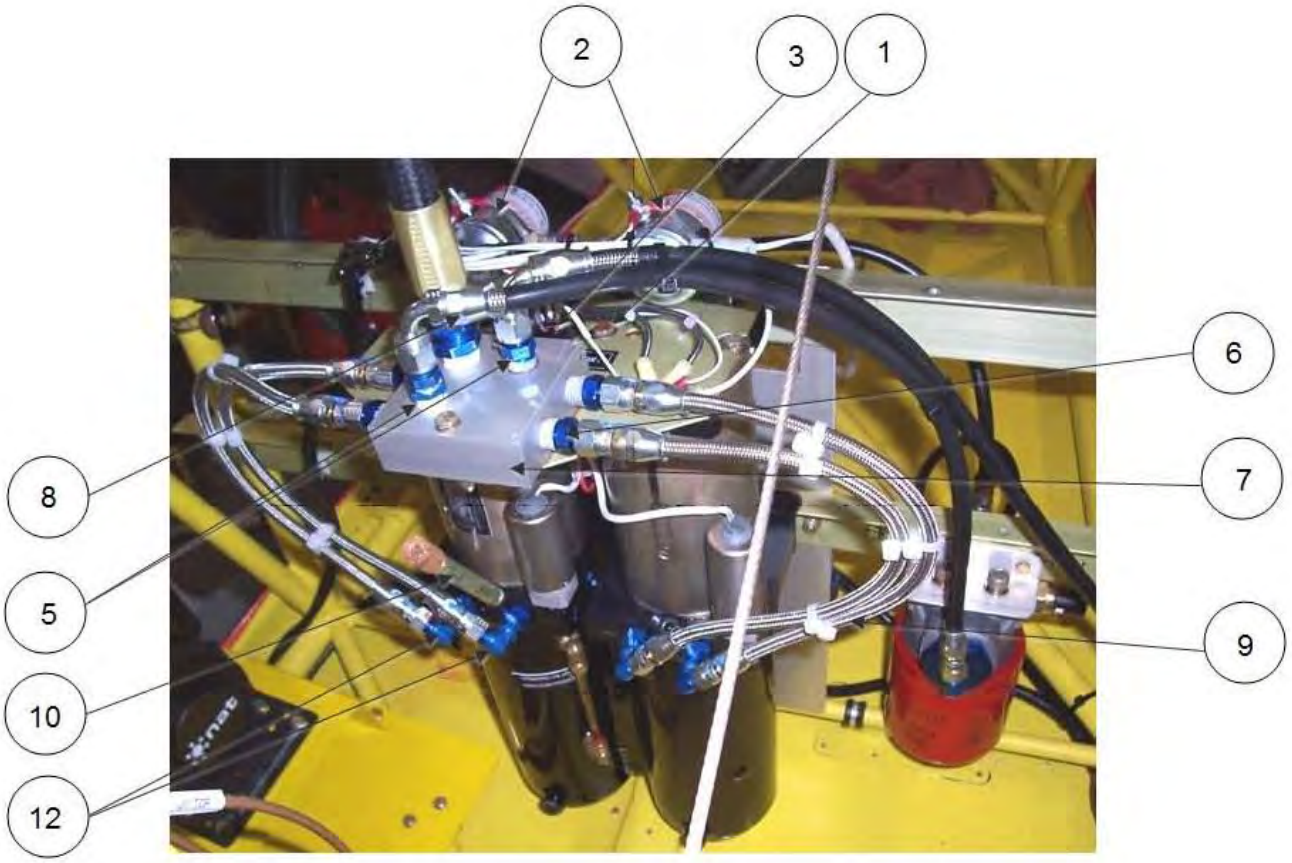
FIGURE 15



ITEM	QTY	PART DESCRIPTION	PART NO.
	1	HYDRAULIC SYSTEM ASSY.	10A12000-079
1	4	CLAMP, PUMP MOUNT	10A12214-006
	8	BOLT	AN4-20A
	8	WASHER	NAS1149F0463P
	8	NUT	MS21044N4
2	1	ANGLE, PUMP ATTACH, UPPER	10A12357-083
3	1	ANGLE, PUMP ATTACH , LOWER	10A12000-077
4	1	ACCUMULATOR	JR25000
	1	HOSE CLAMP	5764
	1	NIPPLE	AN816-8D
	1	O-RING	MS28775-016
5	1	MANIFOLD	10A09185-007
	1	NIPPLE	AN911-3D
6	1	3/8 MANIFOLD VALVE	DG4VSMED03
	1	SOLENOID VALVE	DG4V32ALMFPBWLH760
	1	MOUNTING KIT	BK590716
	3	NIPPLE	AN911-3D
7	1	ACCUMULATOR PLATE ASSEMBLY	10A09000-296
	1	MOUNTING PLATE	10A09155-055
	1	SUPPORT STRAP	10A09002-243
	2	10A09359-245	10A09359-245
8	1	FILTER ASSY	9053-10
	1	FILTER ONLY	EK 9052-10
	1	NIPPLE	AN816-8D
	1	NIPPLE	AN911-3D
		Spin-on filter & parts added with mandatory Service Kit 75	

HYDRAULIC PUMP ASSEMBLY

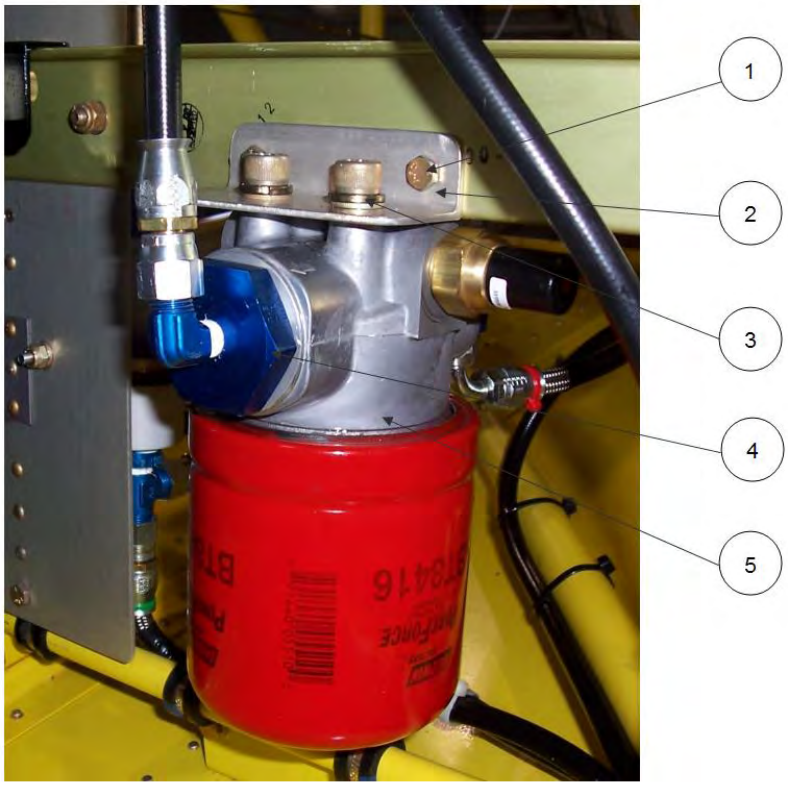
FIGURE 15

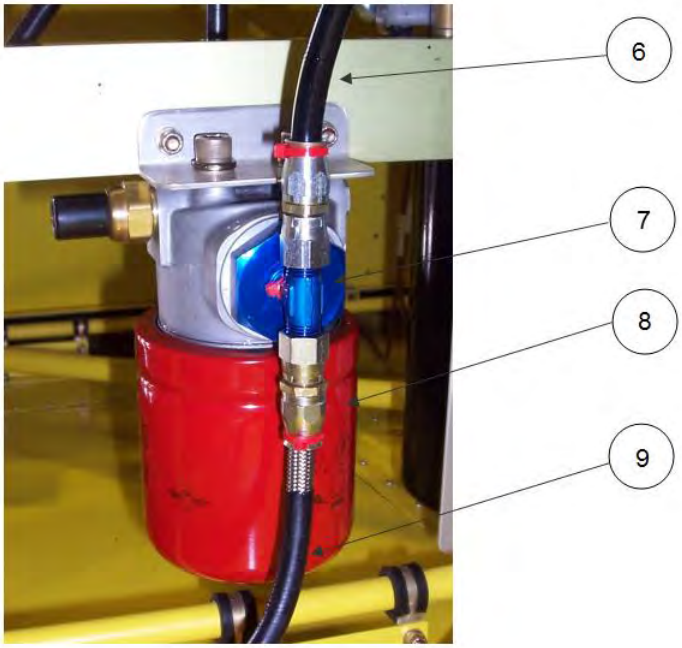


HYDRAULIC PUMP ASSEMBLY – FIGURE 15

ITEM	QTY	PART DESCRIPTION	PART NO.
-	1	HYDRAULIC PUMP ASSEMBLY	10A09000-294
1	1	BRACKET ASSY, PUMP MOUNT TOP	10A09000-314
2	2	SELENOID	8781-9
	2	SOLENOID DIODE ASSEMBLY	3A10000-002
	4	BOLT	AN4-5A
	4	NUT	MS21044N4
	8	WASHER	NAS1149D0463J
3	1	GROMMET	MS35489-17
4	1	FUSE HOLDER, RT. (not shown)	6A09000-128
	1	FUSE HOLDER, LT. (not shown)	6A09000-129
5	1	FITTING	AN816-5-4D
6	4	FITTING	AN816-4-4D
7	1	MANIFOLD	10A09207-009
	2	BOLT	AN3-14A
	4	WASHER	NAS1149F0363P
	2	NUT	MS21044N3
8	1	BOLT, BRACKET (not shown)	AN3-36A
	1	WASHER (not shown)	NAS1149F0363P
9	4	HOSE ASSEMBLY	8A09000-048
10	1	FILLER PIPE	13A09398-002
	1	FILTER	6A09706-001
11	1	BRACKET PUMP MOUNT (not shown)	13A09348-012
12	4	ELBOW	AN833-4D
	4	NUT	AN924-4D
	4	“O” RING	MS28775-012

SPIN-ON FILTER – FIGURE 15a

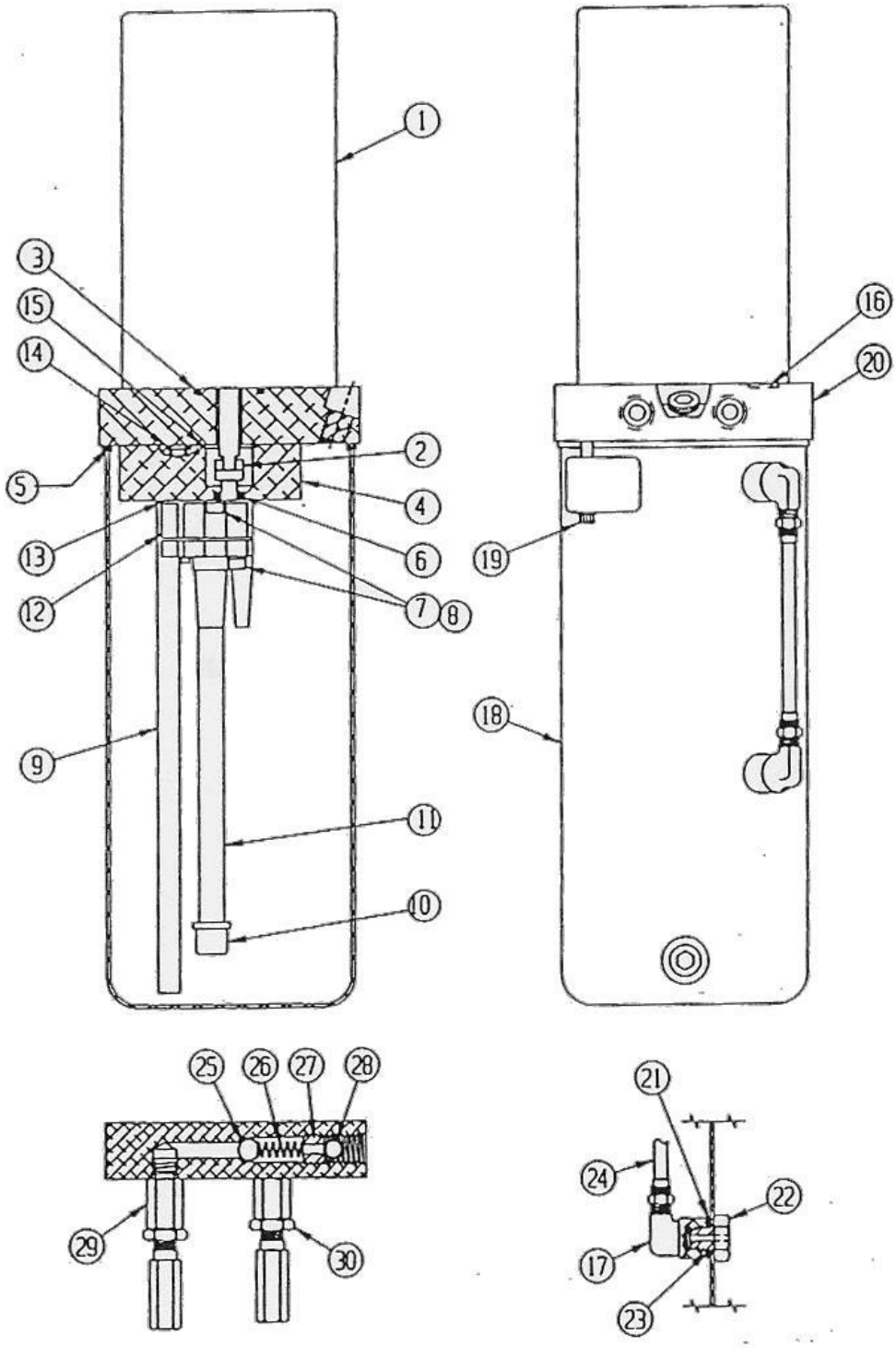




SPIN-ON FILTER – FIGURE 15a

ITEM	QTY	PART DESCRIPTION	PART NO.
1	2	BOLT	AN3-5A
	2	WASHER	AN960-10
	2	NUT	AN356-1032
2	2	FILTER BRACKET	1003647
3	4	BOLT	AN3-5A
	4	WASHER	AN960-10L
	4	NUT	AN356-1032
4	2	1” HEX PLUG	1003648
	2	“O” RING	MS28775-217
	1	90° FITTING	MS20822-5D
5	1	FILTER BASE, BALDWIN	BT8416
6		EXISTING SCOOP MANIFOLD LINE	
7	1	“T” FITTING	MS20825-5D
8	1	SPIN-ON FILTER	BT8416
9	1	EXISTING LANDING GEAR RETURN LINE	

HYDRAULIC PUMP – FIGURE 16



HYDRAULIC PUMP – FIGURE 16

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	ASSY. MOTOR & PUMP	636603A
1	1	MOTOR	MB56N1
	1	BRUSH & BEARING SERVICE KIT	MB56C902-3 KIT
2	1	COUPLING	361730
3	1	"O" RING	409406
4	1	SPACER	361726
5	1	SEAL RESERVOIR	410958
6	1	OIL SEAL	410512
7	4	LOCK WASHER	410410
8	4	SCREW	406187
9	1	PIPE NIPPLE (RETURN)	4A09392-001
10	1	FILTER	410521
11	1	TUBE EXTENSION (PICK UP)	4A09393-001
12	1	PUMP ASSY.	633383
13	2	"O" RING	405387
14	2	"O" RING	401273
15	1	"O" RING	404070
16	2	SPACER (OLD STYLE)	361615
17	2	ELBOW	41330
18	1	ASSY. RESERVOIR	13A09000-131
19	2	SCREW	406187
	2	WASHER	409357

HYDRAULIC PUMP – FIGURE 16

ITEM	QTY	PART DESCRIPTION	PART NO.
20	1	ADAPTER	361473
21	1	"O" RING	361049
22	2	SCREW SIGHT GAUGE	360824
23	2	"O" RING	402266
24	1	TUBE SIGHT GAUGE	361507
25	1	STEEL BALL	490405
26	1	SPRING	410462
27	1	LOCK SCREW	409211
28	1	PIPE PLUG	409263
29	1	ASSY. VALVE PRESSURE RELIEF	704520
30	1	ASSY. VALVE THERMAL RELIEF	704522

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INSTALLATION HYDRAULIC HAND PUMP

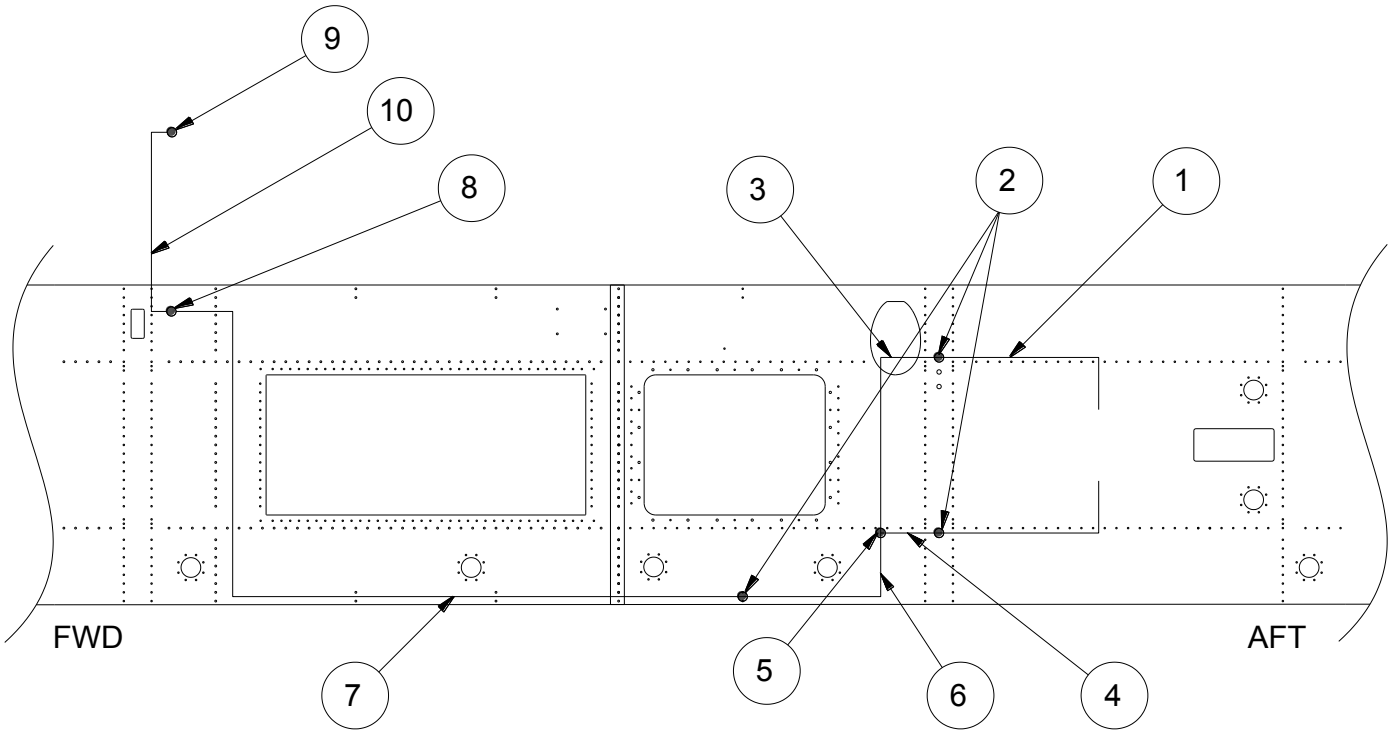
FIGURE 17

INSTALLATION HYDRAULIC HAND PUMP – FIGURE 17

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	HAND PUMP	914-8D-27
	1	REDUCER - FWD	AN919-7D
	1	"O" RING	MS28775-013
	1	REDUCER - AFT	AN919-11D
	1	"O" RING	MS28775-016
	2	BOLT - ATTACH	AN4-26A
	4	WASHER	NAS1149F0463P
	2	NUT	MS21044N4
2	1	HANDLE	1002838
3	1	BRACKET - LT.	8A09003-053
	1	BRACKET - RT.	8A09003-054
	4	BOLT - ATTACH	AN3-5A
	4	WASHER - UNDER CABIN	AN970-3
	4	WASHER	NAS1149F0363P
	4	NUT	MS21044N3
4	1	STIFFNER - LT.	10A09340-187
	1	STIFFNER - RT.	10A09340-186
	4	BOLT - ATTACH	AN3-4A
	4	WASHER - UNDER CABIN	AN970-3
	4	WASHER	NAS1149F0363P
	4	NUT	MS21044N3
5	1	ASSY. HOSE	10A09000-311
6	1	ASSY. HOSE	10A09000-305

INSTALLATION BRAKE LINES

FIGURE 18

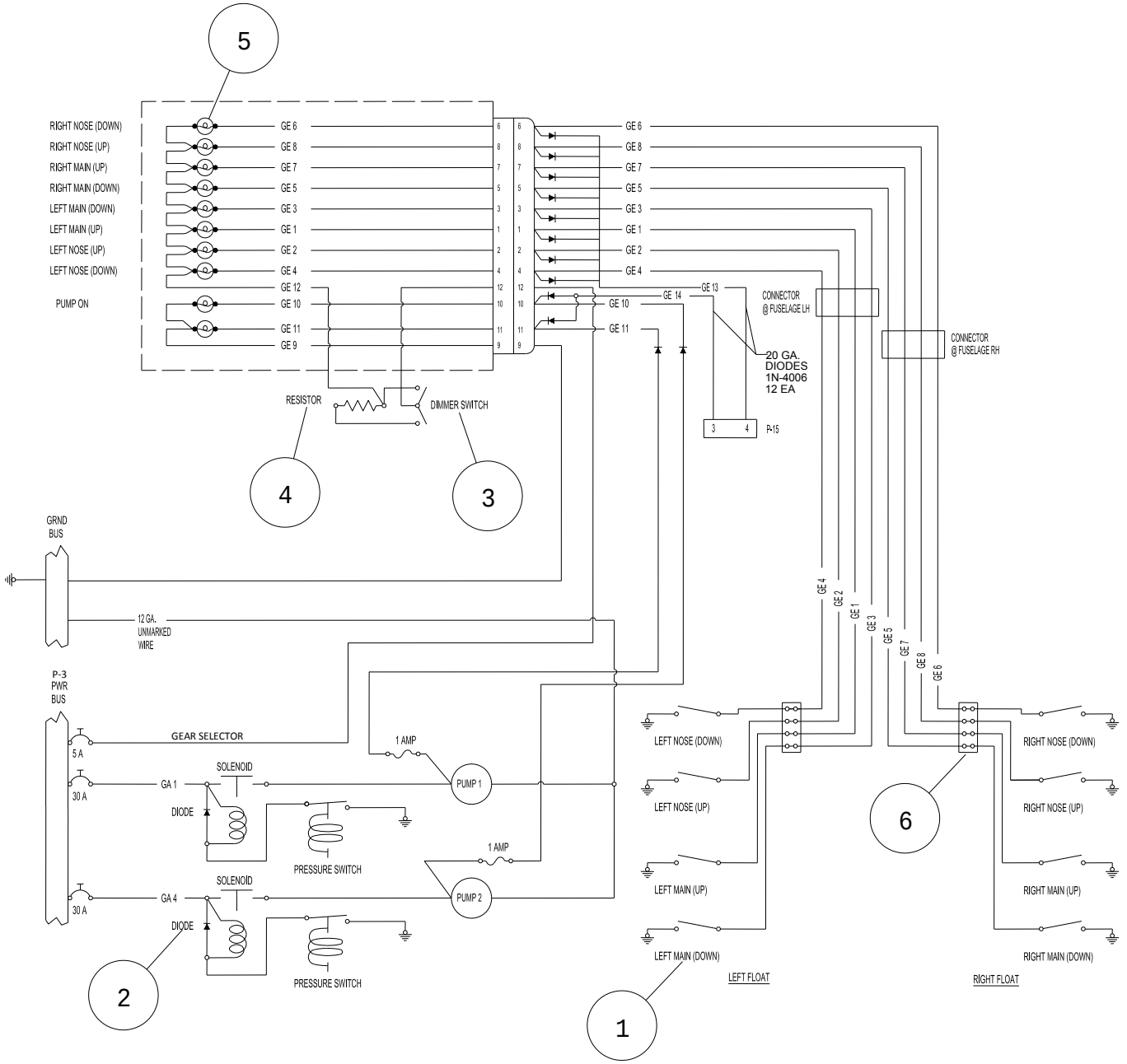


INSTALLATION BRAKE LINES – FIGURE 18

ITEM	QTY	PART DESCRIPTION	PART NO.
1	2	ASSY. HOSE - BRAKE LINE (BULKHEAD TO CALIPER)	13A04000-068
2	3	FITTING	AN832-4D
	6	WASHER	NAS1149F0763P
	3	NUT	AN924-4D
3	1	ASSY. BRAKE LINE	10A04000-123
4	1	ASSY. BRAKE LINE	10A04000-122
5	1	FITTING - TEE	AN824-4D
6	1	ASSY. BRAKE LINE	10A04000-124
7	1	ASSY. HOSE - BRAKE LINE	10A09000-320
8	1	FITTING	AN833-4D
	2	WASHER	NAS1149F0763D
	1	NUT	AN924-4D
9	1	FITTING	AN833-4D
	1	WASHER	NAS1149F0763P
	1	NUT	AN924-4D
10	1	ASSY. HOSE - BRAKE LINE	10A04000-121

ELECTRICAL SCHEMATIC

FIGURE 19

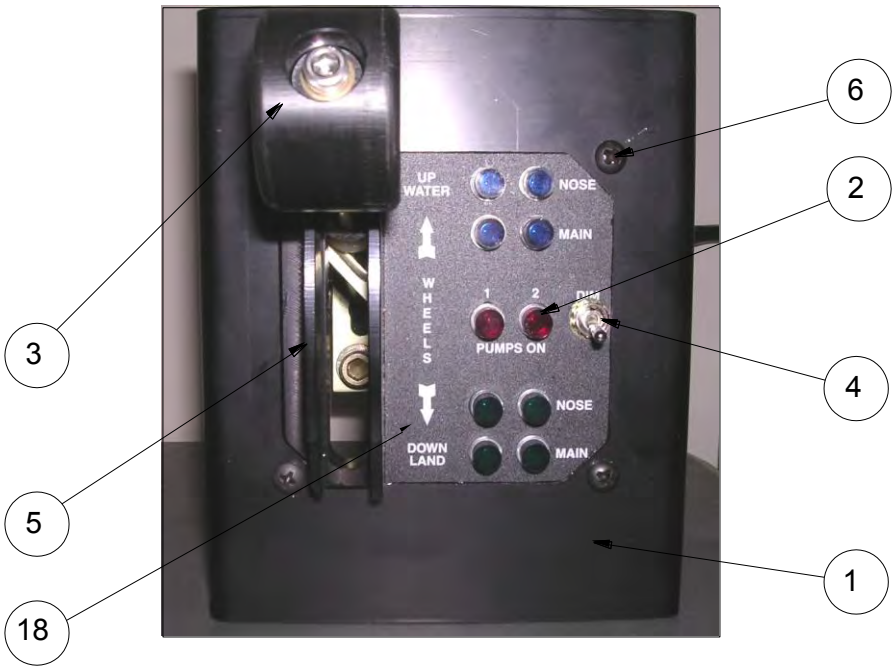


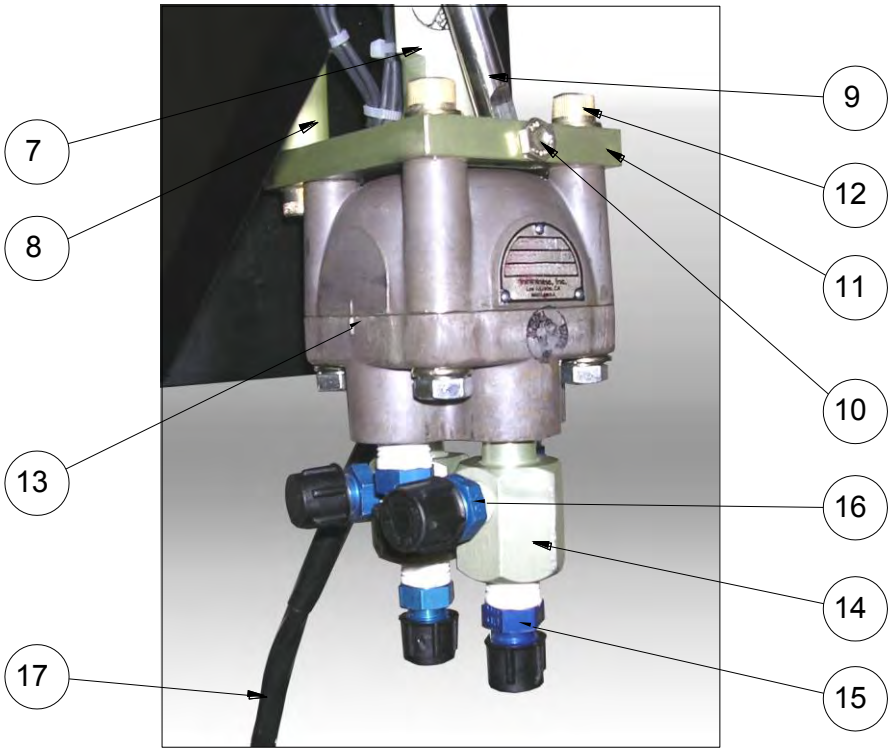
ELECTRICAL SCHEMATIC – FIGURE 19

ITEM	QTY	PART DESCRIPTION	PART NO.
1	8	PROXIMITY SWITCH	5801
2	2	DIODE ASSY	3A10000-002
3	1	SWITCH, DIMMER	A101SYCB
4	1	RESISTOR	RH-5-180
5	4	BULB, BLUE, 24V BULB, GREEN, 24V BULB, RED, 24V	5073918-1434-600 5073918-1432-600 5073918-1431-600
6	2	TERMINAL BLOCK	4-140

GEAR CONTROL ASSEMBLY – FIGURE 20

GEAR CONTROL ASSEMBLY





GEAR CONTROL ASSEMBLY – FIGURE 20

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	ASSY. GEAR CONTROL	10A09000-295
1	1	ASSY. HOUSING - CONSOLE - GEAR	10A12000-080
	1	COVER - FRONT CONSOLE GEAR CONTROL	10A09150-188
	1	HOUSING - CONSOLE - GEAR CONTROL	10A12163-118
	1	SUPPORT	10A09150-189
2	2	LIGHT BULB - RED 24	5073918-1431-600
	4	LIGHT BULB - GREEN 24 V	5073918-1432-600
	4	LIGHT BULB - BLUE 24 V	5073918-1434-600
	1	RESISTOR 28V	RH-5-180
	10	SOCKET	515-0012
	3	SCREW	AN526-832R6
3	1	KNOB	6A11603-002
	1	SPRING	6A09713-001
	1	WASHER	6A11274-002
	1	CAP SCREW (SS 1032 X 1/2)	MS16996-10
4	1	SWITCH	A101SYCB
5	1	HOUSING - GEAR CONTROL	8A11199-006
6	4	SCREW	MS35214-42
7	1	ARM	6A11032-002
	2	SET SCREW	5/16 - 24 X 3/8
8	2	SPACER	6A11278-001
	2	BOLT	MS16997-88
9	1	SHAFT	6A11506-001
	1	ROLLER	6A11704-001
	2	WASHER	NAS1149D0616J
10	1	BOLT	NAS6203-7
	1	WASHER - STAR	MS35333-39
11	1	PLATE	6A11190-001

GEAR CONTROL ASSEMBLY – FIGURE 20

ITEM	QTY	PART DESCRIPTION	PART NO.
12	2	BOLT	MS16997-80
	2	WASHER	NAS1149F0563P
	2	BOLT CSK	MS24667-40
13	1	BARKSDALE CONTROL VALVE	6A09000-080
14	2	FITTING, VALVE	6A11261-005
15	4	NIPPLE	AN816-5-4D
16	2	NIPPLE	AN816-5D
17	1	WIRING HARNESS, SELECTOR	4A11000-008
18	1	PLACARD, CONTROL VALVE	7A3-4310

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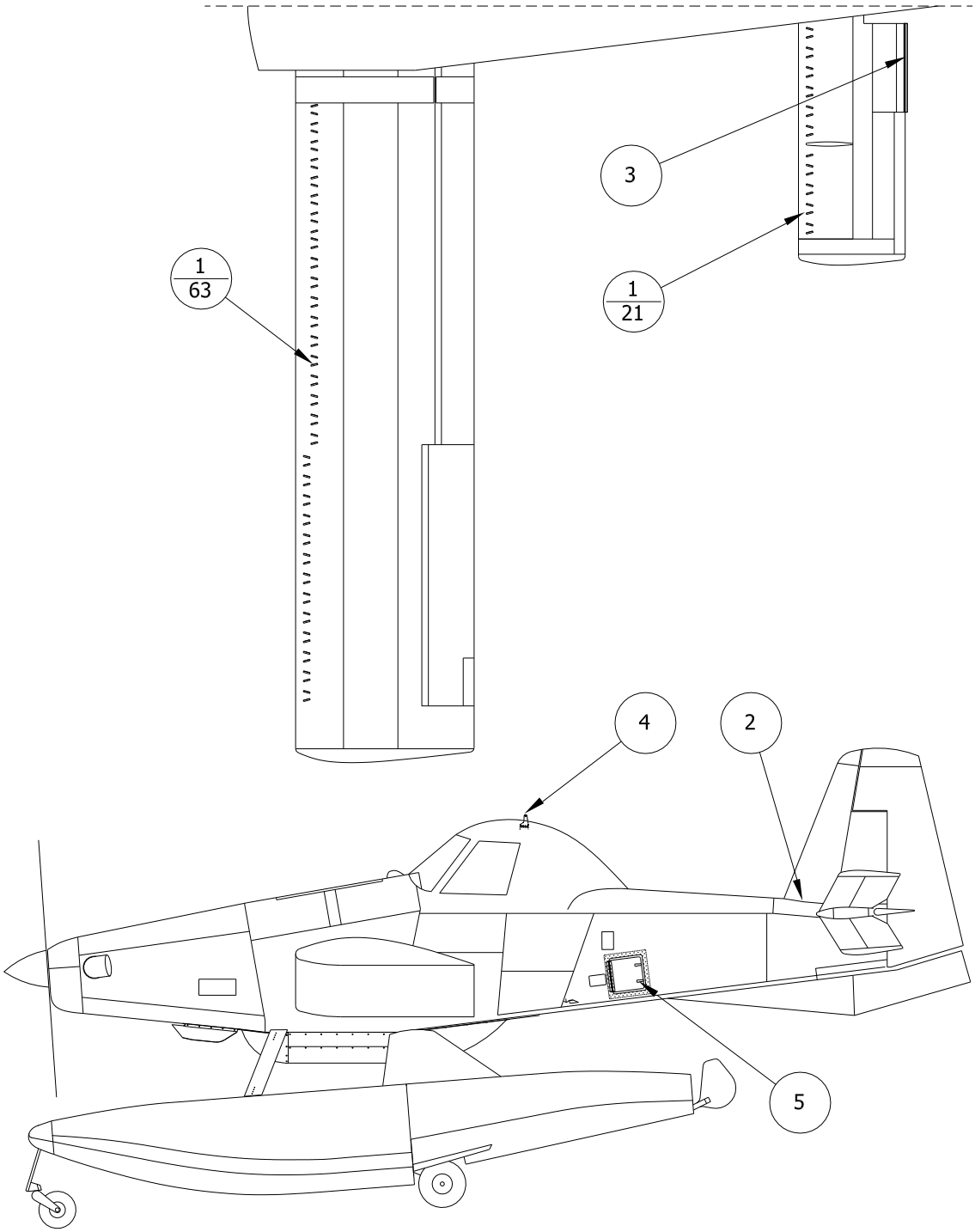
INSTALL MISC. FUSELAGE ITEMS

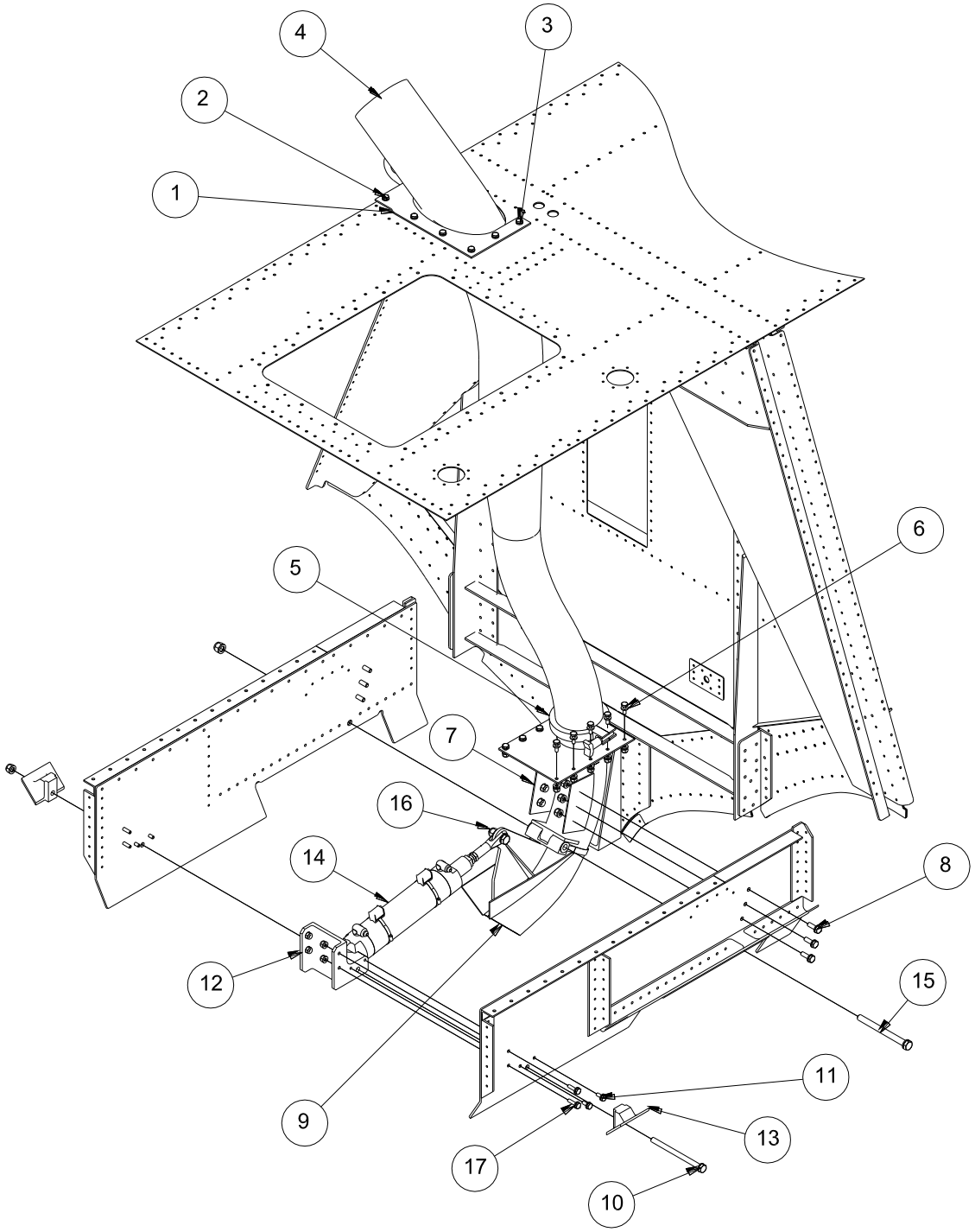
FIGURE 21



ITEM	QTY	PART DESCRIPTION	PART NO.
1	168	VORTEX GENERATOR	10A13340-182
	1	EPOXY KIT	20252
2		GAP SEAL, FIN	1-796
	1	CONTACT CEMENT	1300L-5-OZ
3	2	EXTENSION, ELEVATOR SERVO TAB	10A12150-190
4	2	BRACKET, LIFT	10A16447-009
	8	BOLT	AN4-5A
	8	WASHER	NAS1149F0432P
	8	NUT	MS21044N4
5	1	ASSY., ACCESS DOOR,HYD PUMP	1002075
	1	FRAME, ACCESS DOOR	1002061

SCOOP SYSTEM

FIGURE 22



SCOOP SYSTEM – FIGURE 22

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	FLANGE, FLOAT DECK, SCOOP TUBE, LEFT	10A01592-005
	1	FLANGE, FLOAT DECK, SCOOP TUBE, RIGHT	10A01592-004
2	3	BOLT	AN3-6A
	6	WASHER	NAS1149F0363P
	3	NUT	MS21044N3
3	5	BOLT	AN3-5A
	10	WASHER	NAS1149F0363P
	5	NUT	MS21044N3
4	1	ASSY., SCOOP TUBE, LEFT	10A01000-453
	1	ASSY., SCOOP TUBE, RIGHT	10A01000-452
5	1	CLAMP	1001159
	1	SEAL	7G3.0
6	10	BOLT	AN3-5A
	20	WASHER	NAS1149F0363P
	10	NUT	MS21044N3
7	1	ASSY, SCOOP TUBE, UPPER PROBE	10A01000-454
8	6	BOLT	AN4-6A
	12	WASHER	NAS1149F0463P
	6	NUT	MS21044N4
9	1	ASSY, SCOOP TUBE, LOWER PROBE	10A01000-455
10	1	BOLT	AN5-42A
	2	WASHER	NAS1149F0563P
	1	NUT	MS21044N5
11	4	BOLT	AN3-4A
	4	WASHER	NAS1149F0363P
12	1	PIVOT BLOCK	10A01031-002
13	1	SEAL, BOTTOM BOLT	10A01198-022
14	1	ASSY., CYLINDER, PROBE JACK	10A09000-293

SCOOP SYSTEM – FIGURE 22

ITEM	QTY	PART DESCRIPTION	PART NO.
15	1	BOLT	AN6-41A
	2	WASHER	NAS1149F0663P
	1	NUT	MS21044N6
16	1	BOLT	AN6-11A
	2	WASHER	NAS1149F0663P
	1	NUT	MS21044N6
17	4	BOLT	AN3-6A
	8	WASHER	NAS1149F0363P
	4	NUT	MS21044N3

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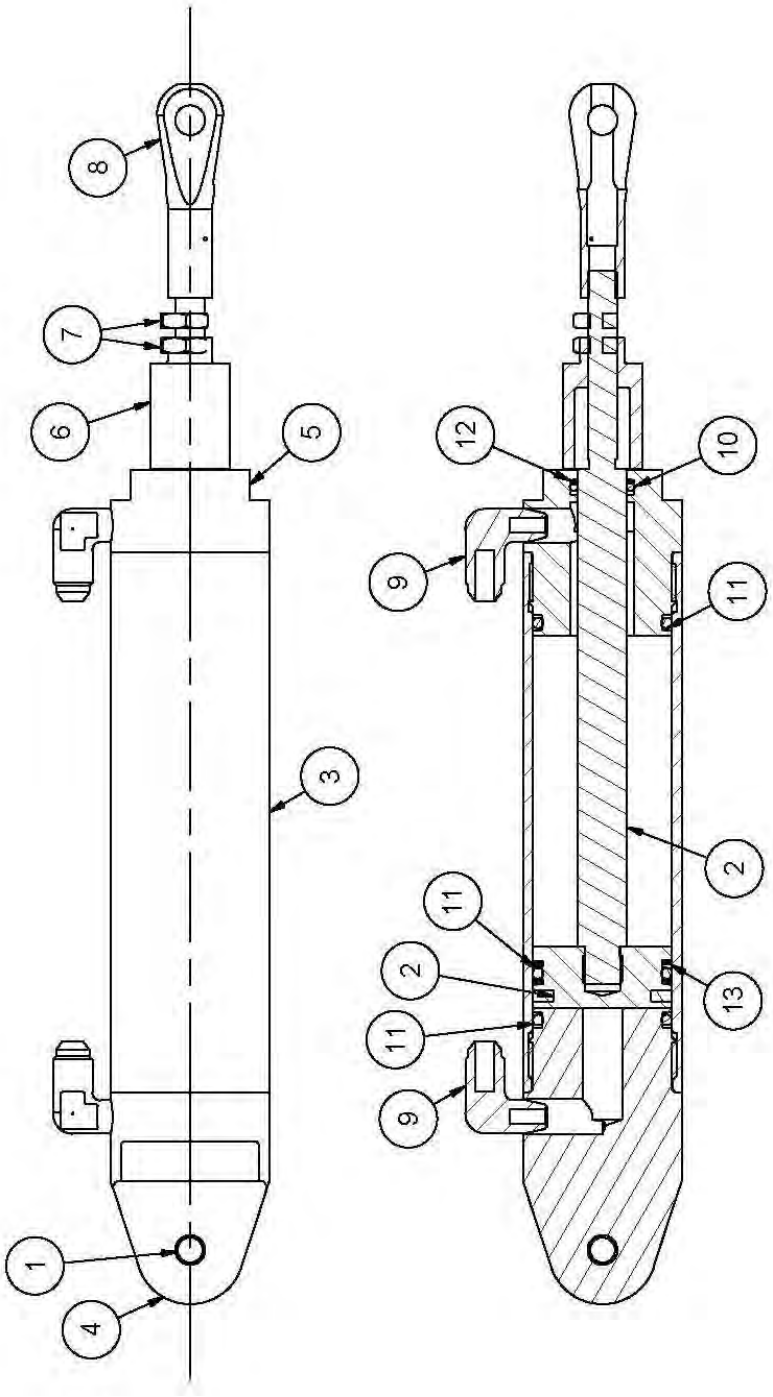
PROBE JACK CYLINDER ASSEMBLY

FIGURE 22a

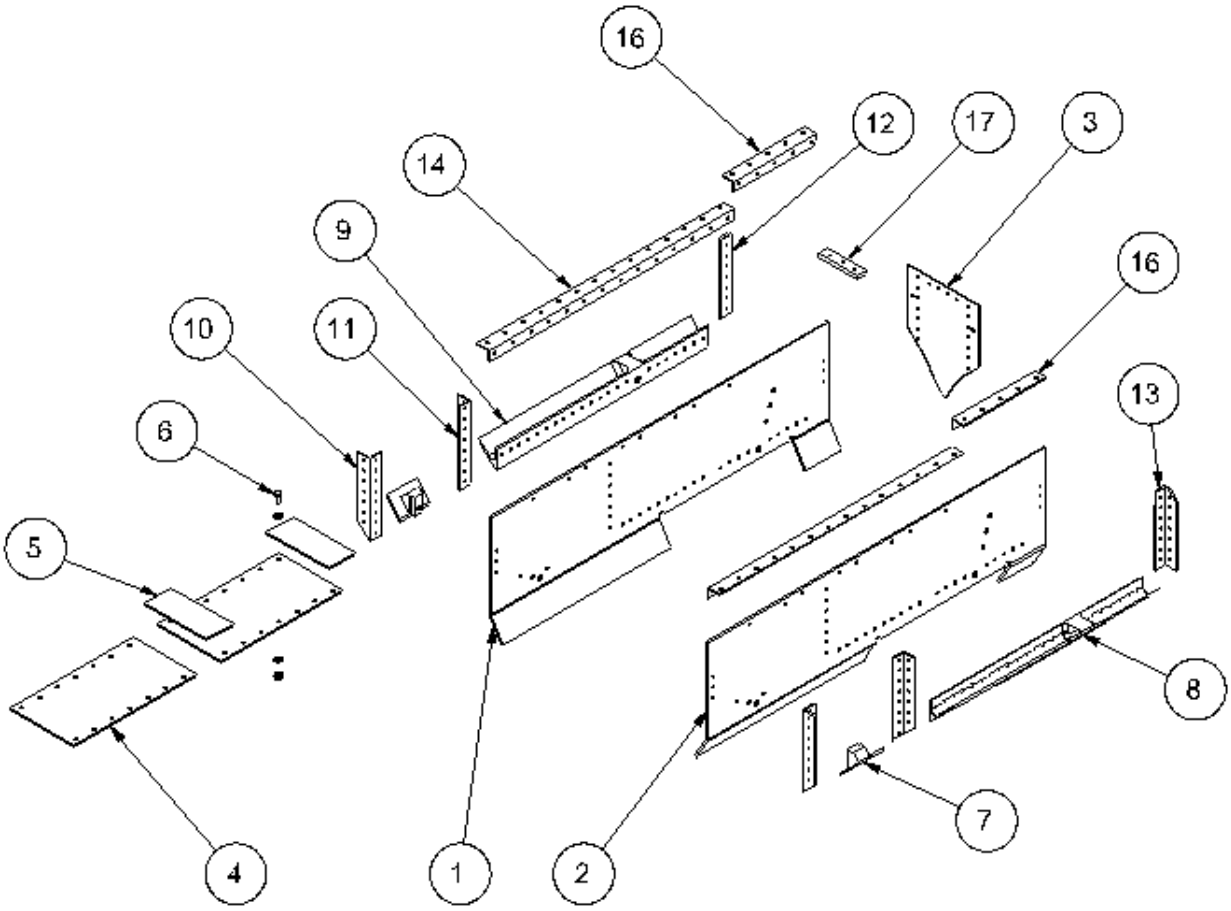


PROBE JACK CYLINDER ASSEMBLY – FIGURE 22a

ITEM	QT	PART DESCRIPTION	PART NO.
-	1	PROBE JACK CYLINDER ASSEMBLY	10A09000-293
1	1	SELF LUBRICATING BUSHINGS	05DU06
2	1	ASSY., PISTON ROD, PROBE JACK	10A09000-292
3	1	CYLINDER	10A09024-002
4	1	END PLUG – PROBE JACK	10A09024-003
5	1	FRONT PLUG – PROBE JACK	10A09024-004
6	1	STOP – PROBE JACK	10A09261-008
7	2	NUT	AN316-6R
8	1	TERMINAL, FLY WIRE	AN665-80R
9	2	FITTING 90 DEGREE	MS20822-5-4D
10	1	“O” RING	MS28775-114
11	3	“O” RING, HYDRAULIC	MS28775-222
12	1	BACKUP RING	MS28782-12
13	2	BACKUP RING	MS28782-27
NOT SHOWN	1	ASSY. SCOOP POSITION SWITCH (4 PIN)	1001721
	1	CONNECTOR (4 PIN)	KPTC6E8-4S
	1	ASSY. SCOOP POSITION SWITCH (6 PIN)	1002152
	1	CONNECTOR (6 PIN) (6 PIN STARTS AT WIPAIRE S/N 10053)	KPSE06E10-6S
	2	MAGNETIC SWITCH	BIM-PST-AN6X KLP80
NOT SHOWN	2	CLAMP	KLRI-ASB6

SCOOP TUNNEL

FIGURE 23

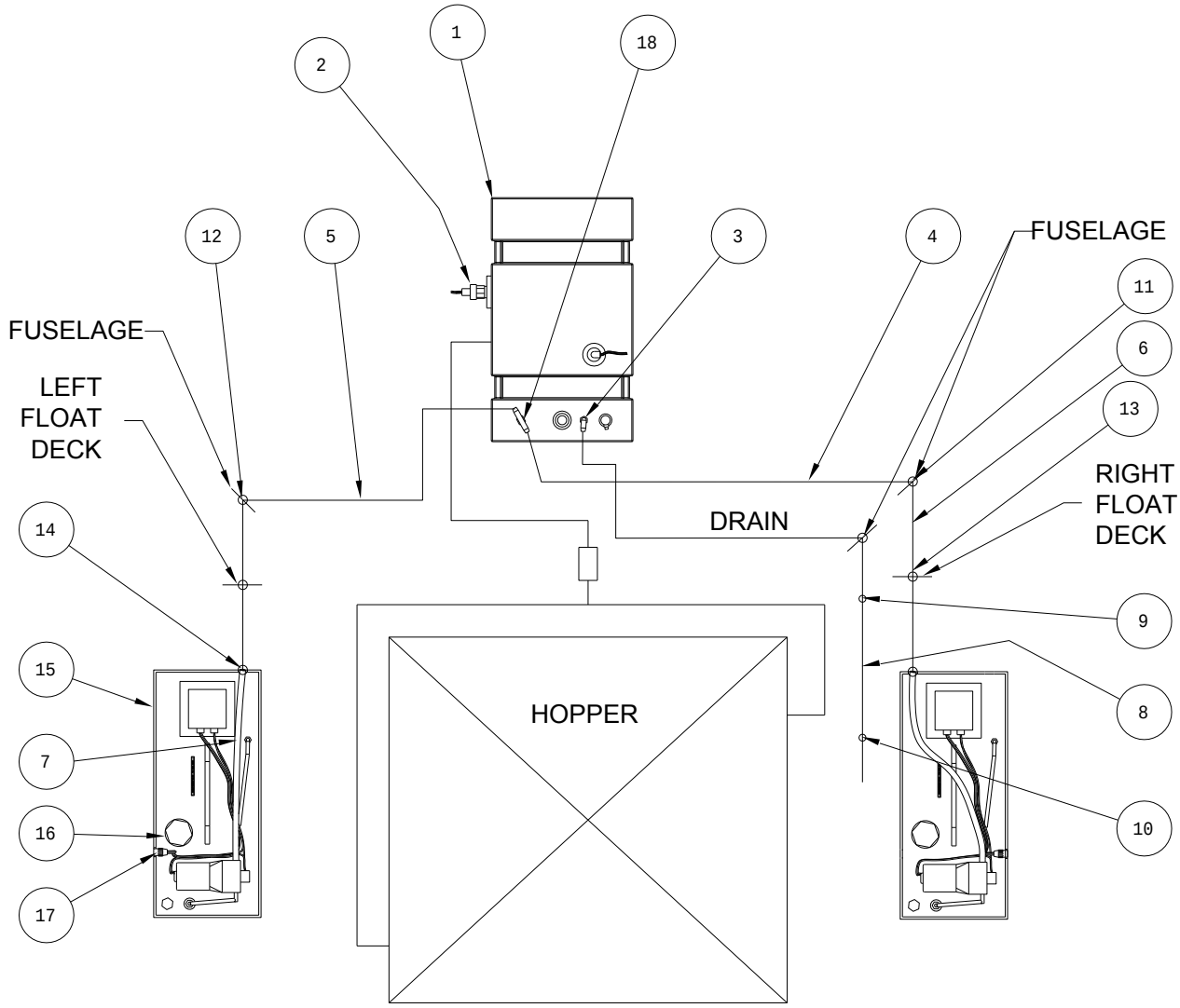


SCOOP TUNNEL – FIGURE 23

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	PLATE - SIDE COVER - TUNNEL	10A01001-064
2	1	PLATE - SIDE COVER - TUNNEL	10A01001-065
3	1	PLATE - AFT COVER - TUNNEL	10A01001-236
4	2	PLATE - TOP COVER - TUNNEL	10A01001-066
5	2	CONNECTOR - PROBE TUNNEL COVER	10A01155-053
6	28 56 28	BOLT WASHER NUT	AN3-5A NAS1149F0463P MS21044N3
7	2	FITTING - SCOOP TUNNEL BOTTOM BOLT	10A01198-022
8	1	SUPPORT-BOTTOM SKIN LT-SCOOP TUNNEL	10A01198-021
9	1	SUPPORT-BOTTOM SKIN RT-SCOOP TUNNEL	10A01198-020
10	2	ANGLE - TUNNEL FWD	10A01427-031
11	2	ANGLE - TUNNEL MIDDLE	10A01427-030
12	1	ANGLE - TUNNEL AFT	10A01427-029
13	1	ANGLE - TUNNEL AFT	10A01427-028
14	2	ANGLE - COVER - SCOOP TUNNEL	10A01359-235
16	2	ANGLE - SHORT - COVER - SCOOP TUNNEL	10A01359-237
17	1	SPACER-SCOOP TUNNEL	10A01205-010

FOAM SYSTEM

FIGURE 24



FOAM SYSTEM – FIGURE 24

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	A/C FOAM TANK MODIFIED	1001906
2	1	ADAPTER	10A12652-001
	1	"O" RING	MS28775-334
	8	SCREW	MS24693C278
	8	NUT	MS21044C3
	1	LEVEL SWITCH	46235K25
3	1	90° FITTING	48725642
4	6.5ft	TUBING, RIGHT SIDE TANK OUTLET	5233K66
5	8.5ft	TUBING, LEFT SIDE TANK OUTLET	5233K66
6	10.8ft	TUBING, FUSELAGE TO FLOAT TANK	5233K66
7	3.17ft	TUBING, PUMP TO FLOAT BULKHEAD	5233K66
8	1	VENT LINE	10A12417-003
9	1	STANDOFF	10A12163-128
	1	CLAMP	MS21919WDG8
	1	BOLT	AN3-4A
	1	WASHER	NAS1149F0363P
	1	NUT	MS21044N3
10	1	STANDOFF	10A12163-129
	1	CLAMP	MS21919WDG8
	1	BOLT	AN3-4A
	1	WASHER	NAS1149F0363P
	1	NUT	MS21044N3
11	1	INSERT, PLASTIC, 90° BULKHEAD	12PLIL
	1	GROMMET	MS35489-17
	2	HOSE CLAMP	6203
12	1	INSERT, PLASTIC, 90° BULKHEAD	12PLIL

FOAM SYSTEM – FIGURE 24

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	GROMMET	MS35489-17
	2	HOSE CLAMP	6203
13	2	GROMMET – FLOAT DECK	MS35489-17
14	2	COUPLING - HOSE	10A12277-003
	4	FITTING	5372K124
15	1	ASSY. FOAM TANK	1001798
	1	TANK FOAM	0210211C
	1	RELAY, 2 POLE	RH2B-V-24DC
	1	SOCKET, RELAY, 2 POLE	SH2B-05
	1	PUMP - 24 VOLT	4405-343
	1	SWITCH, FLOAT	10-782-PP
16	1	NUT, DOME	5D521
17	1	CLIP - WIRE MOUNTING	10A12154-017
	1	FLOOR, TANK (not shown)	10A01000-451
18	1	TEE FITTING	48726202

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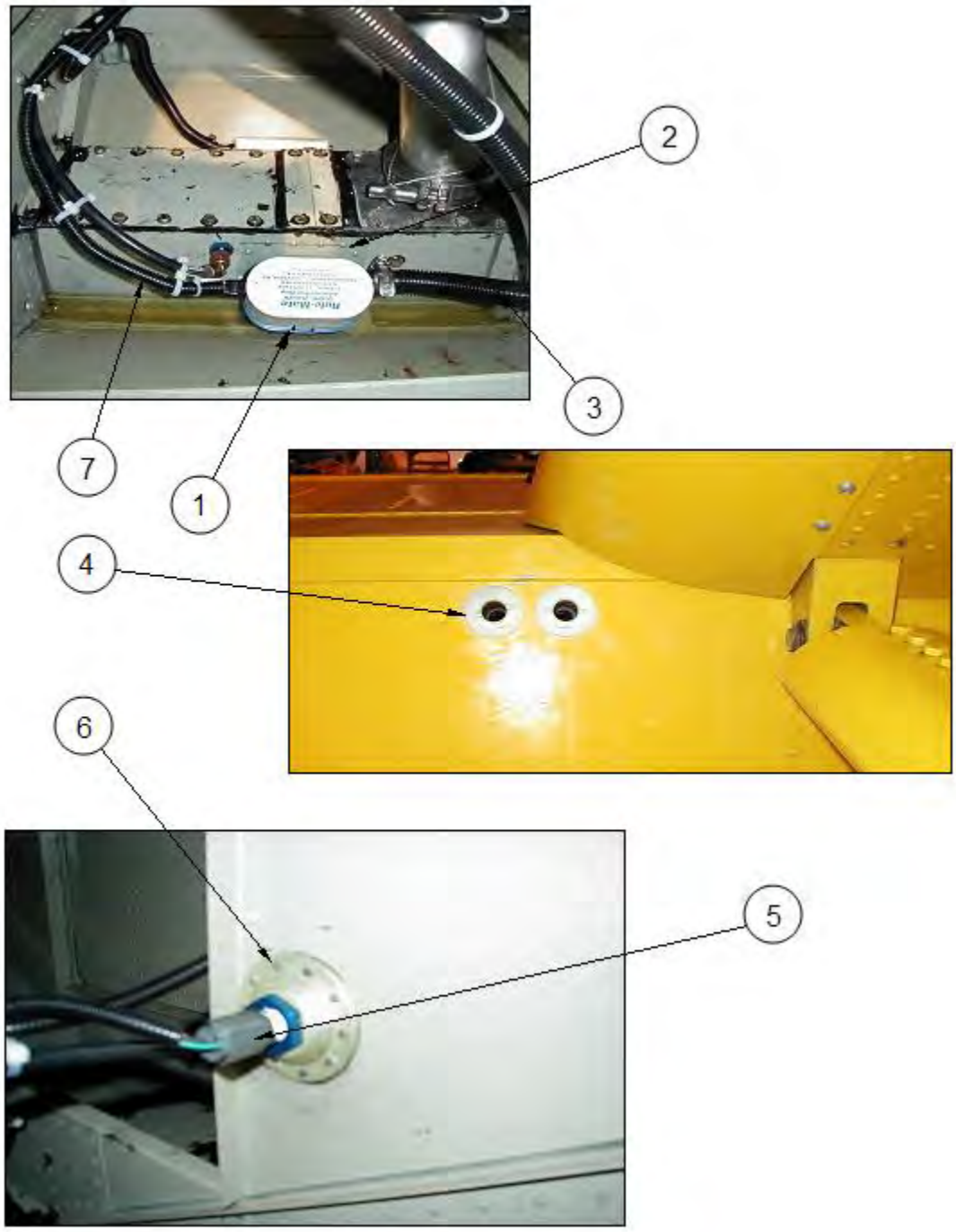
BILDGE PUMP SYSTEM

FIGURE 25

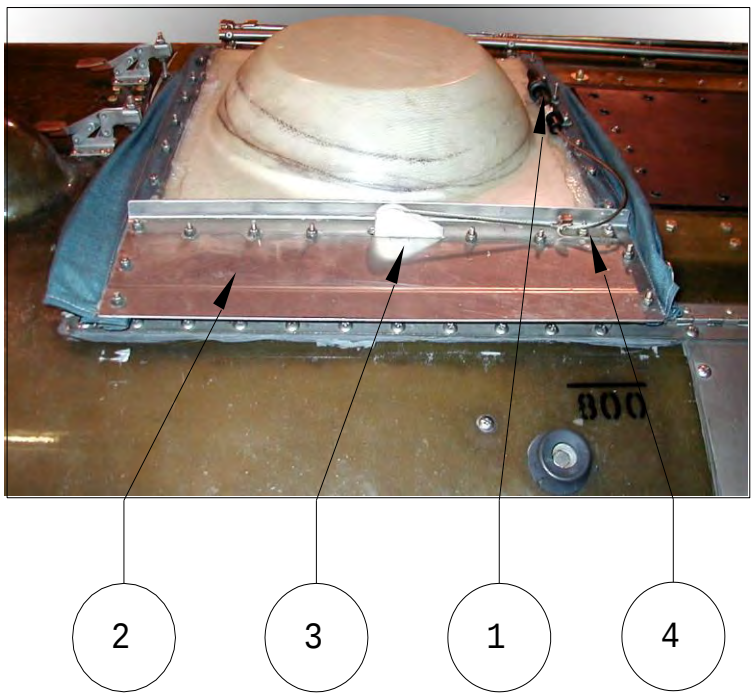


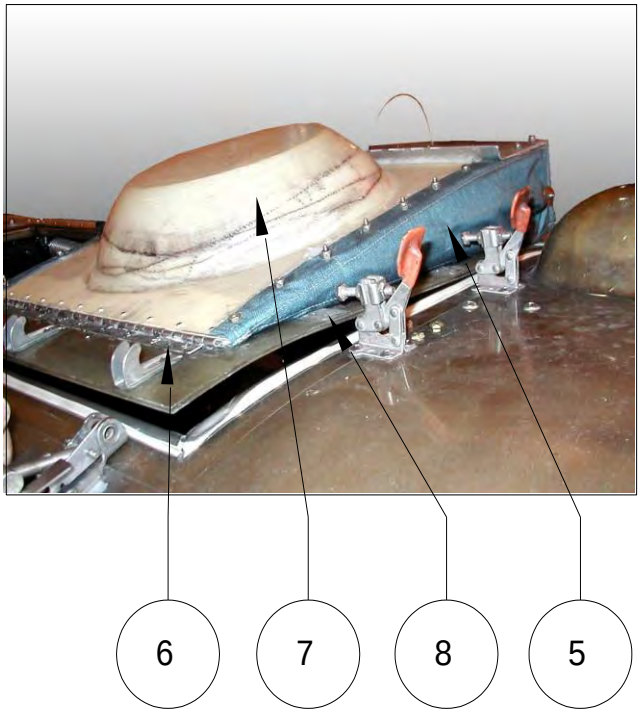
BILDGE PUMP SYSTEM – FIGURE 25

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASSY., PUMP, BILGE	1001797
	2	PUMP, BILGE, 2840 RULE MATE	RM750-24
	8	BOLT	AN3-5A
	16	WASHER	NAS1149F0363P
	8	NUT	MS21044N3
2	2	BRACKET – PUMP MOUNT	10A01163-116
3	4	¾" I.D. BILGE HOSE (specify length)	0232-1419
4	2	¾" FITTING	0322-0404
5	1	ASSY., WATER SENSOR	1001796
	1	WATER SENSOR	3G3283-1
6	1	ADAPTER – SENSOR ADAPTER	10A01264-006
7	1	ASSY., HARNESS FLOAT WIRING (4 PIN scoop position switch connector)	1001799
	1	ASSY., HARNESS FLOAT WIRING (6 PIN scoop position switch connector) 6 PIN STARTS WIPAIRE S/N 10053	1002221

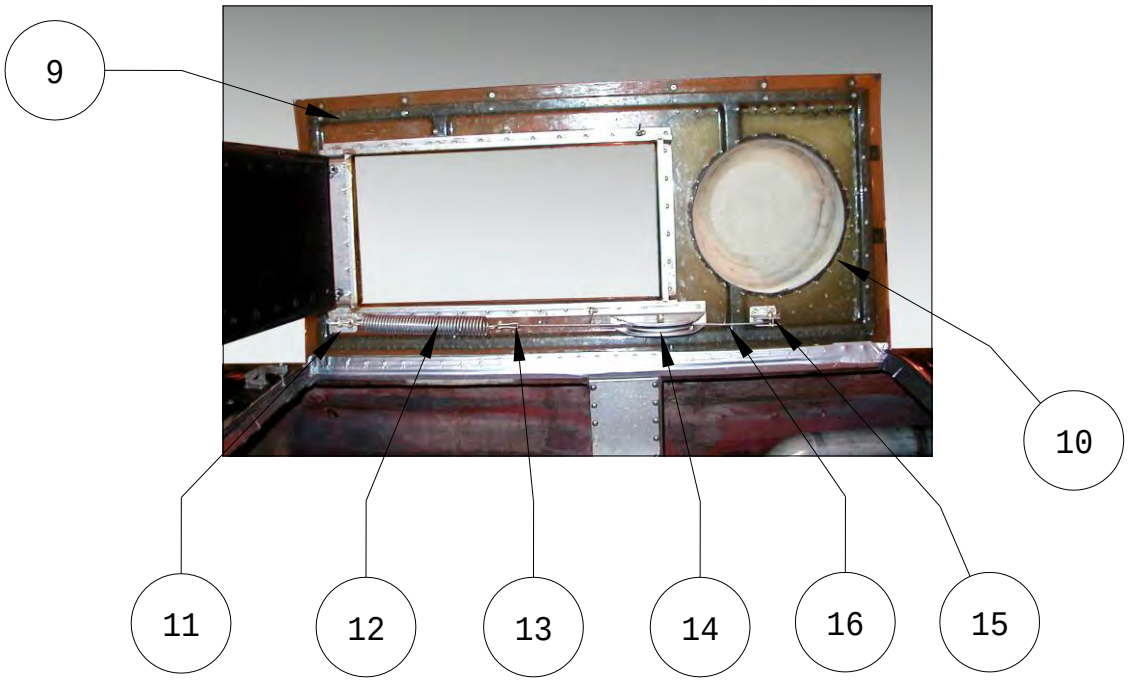
HOPPER VENT SYSTEM – FIGURE 26

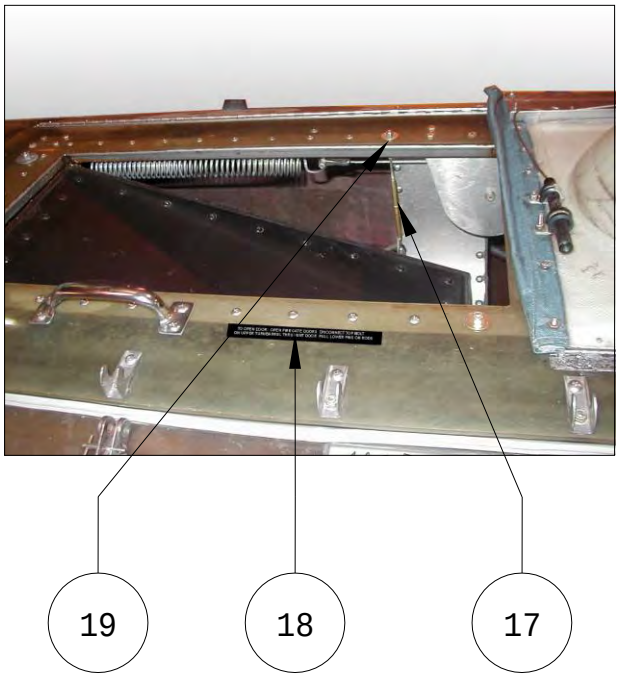
HOPPER VENT SYSTEM



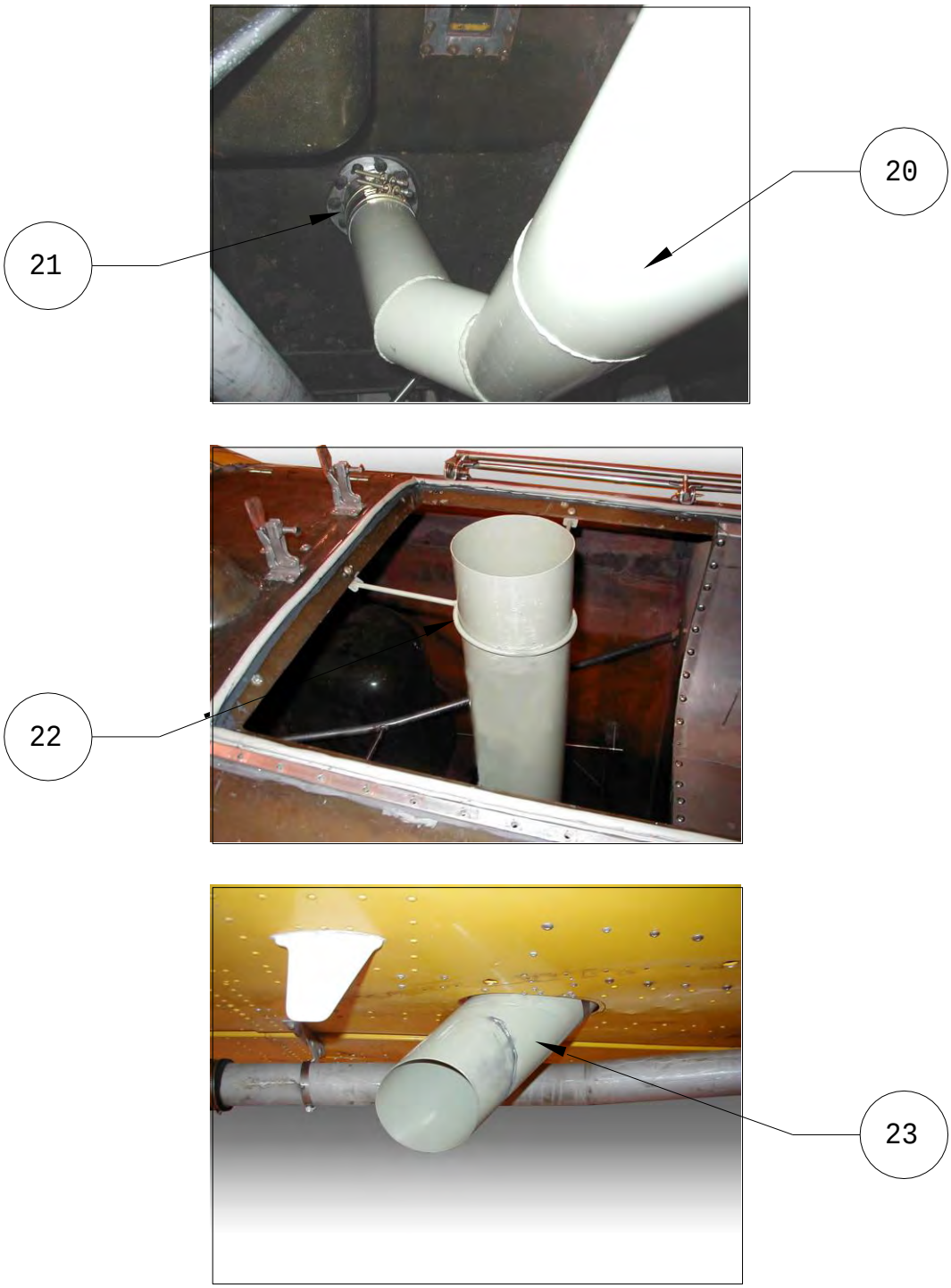


HOPPER VENT SYSTEM – FIGURE 26





HOPPER VENT SYSTEM – FIGURE 26



HOPPER VENT SYSTEM – FIGURE 26

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	HANDLE	21A08274-007
	2	CLAMP	MS21919WDG9
2	1	BRACKET REINFORCEMENT	10A12163-121
3	1	CABLE GUIDE	10A12652-003
	2	SCREW	MS24693S48
4	1	RETAINER CLIP	10A12487-009
5	2	DEFLECTOR	10A12695-001
	4	REINFORCEMENT STRIPS	10A12150-200
	40	SCREW	AN507-1032
6	1	HINGE	10A12745-002
7	1	VENT DOME	10A12599-013
8	4	PAD, CLAMP	10A12536-015
9	1	HOPPER LID	80533-1
	2	GASKET – SPONGE	80532-5
10	1	GASKET	R581559
11	1	ANGLE, SPRING ATTACH	10A12357-085
	1	SHACKLE	MS20115-5
	3	BOLT	AN3-6A
	3	WASHER	NAS1149F0363P
	3	NUT	MS21044N3
12	1	SPRING	81153S
13	1	CABLE ASSY	10A12000-064
14	1	PULLEY ASSY	10A12000-060
	4	BOLT	AN3-7A
	4	WASHER	NAS1149F0363P
	4	NUT	MS21044N3

HOPPER VENT SYSTEM – FIGURE 26

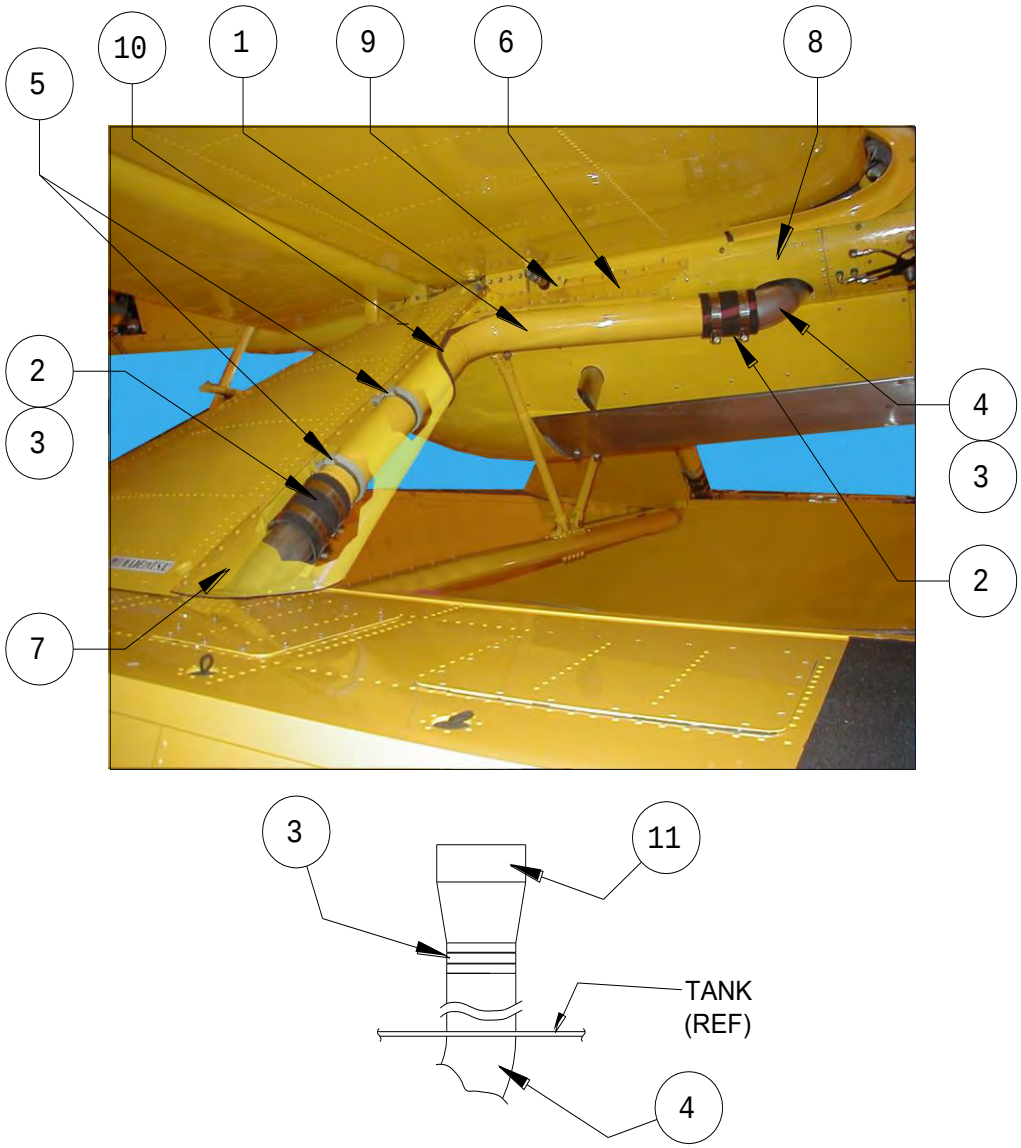
ITEM	QTY	PART DESCRIPTION	PART NO.
15	1	PULLEY BRACKET ASSY	10A12000-061
	4	BOLT	AN3-7A
	4	WASHER	NAS1149F0363P
	4	NUT	MS21044N3
16	1	CABLE ASSY	10A12000-065
17	2	BUSHING	10A12523-007
	2	FORK	MS21252-5RL
	2	BARREL	MS21251B5L
	2	FORK	MS21252-5LL
	2	EYEBOLT	AN44-6A
	2	WASHER	NAS1149F0563P
	2	NUT	MS210N44N5
	4	BOLT	AN4-7A
	4	WASHER	NAS1149F0463P
	4	NUT	MS21044N4
18	1	PLACARD, FIRE GATE	7A3-4410
19	2	EYEBOLT	AN44-30A
	2	WASHER	AN970-5
20	1	FILL VENT TUBE	10A12666-002
	1	HOSE COUPLING	10A12696-001
	1	POWER CLAMP	5312K18
21	1	FLANGE ASSY – TO TANK	10A12000-059
	1	PLATE, BACKING	10A12532-008
	10	BOLT	AN4-10A
	10	WASHER	NAS1149F0463P
	10	NUT	MS21044N4
22	1	VENT TUBE RETAINER ASSY	10A12000-069
	2	SCREW	AN525-10R10
	2	WASHER	NAS1149F0363P
	2	NUT	MS21044N3
23	1	VENT TUBE – TAIL EXHAUST	10A12666-001
	1	CONNECTING HOSE	10A12696-001

HOPPER VENT SYSTEM – FIGURE 26

ITEM	QTY	PART DESCRIPTION	PART NO.
	1	POWER CLAMP	5312K18

FILL SYSTEM FUSELAGE

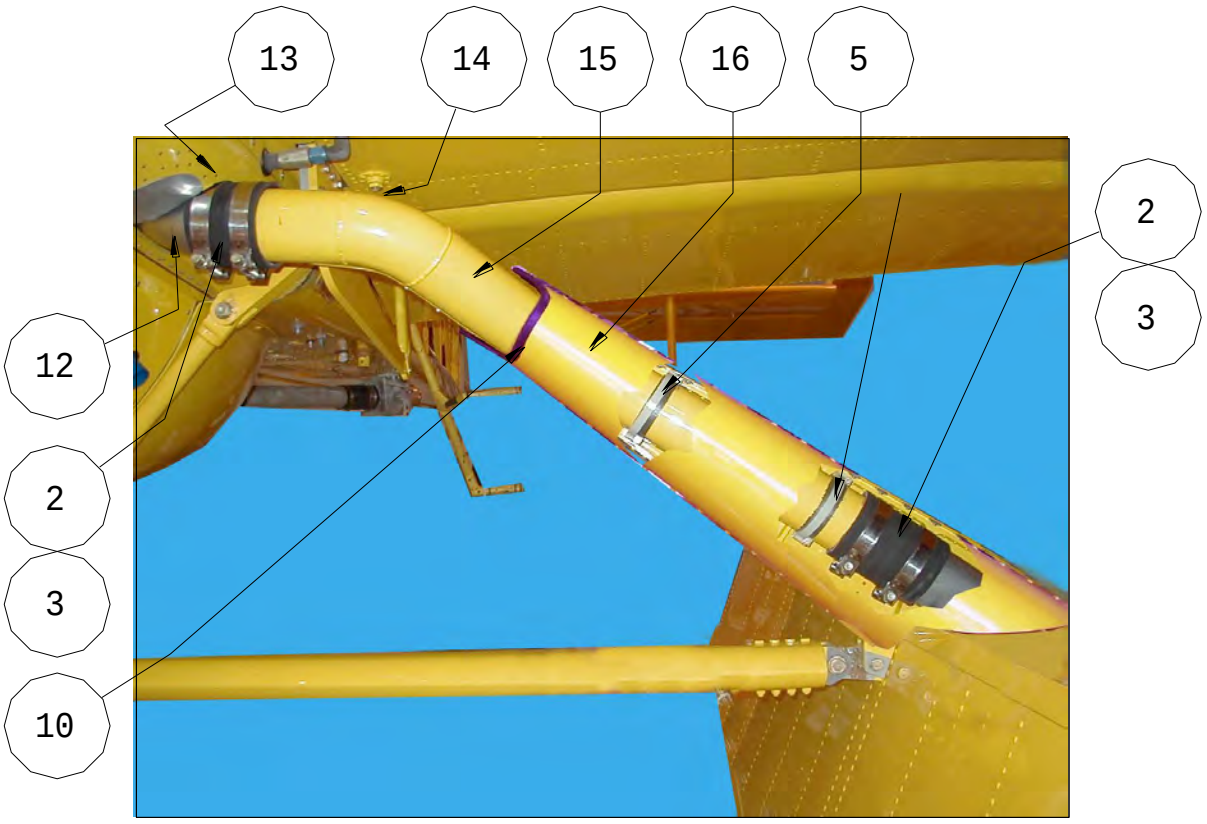
FIGURE 27

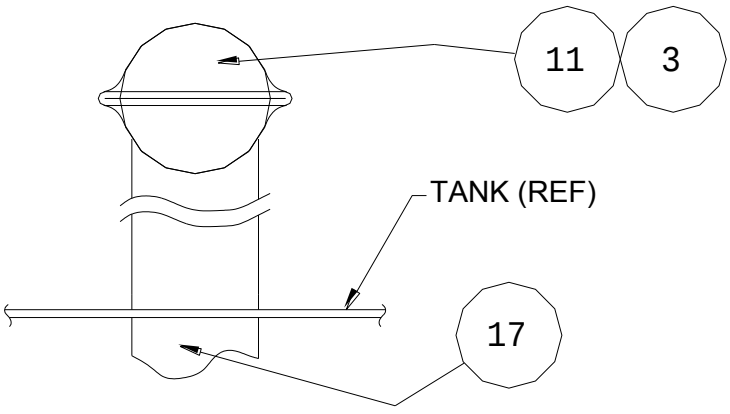


INSIDE TANK
RIGHT SIDE

FILL SYSTEM FUSELAGE

FIGURE 27





INSIDE TANK LEFT SIDE

FILL SYSTEM FUSELAGE – FIGURE 27

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	TUBE, INLET, TANK TO DECK R.H.	10A12424-002
2	4	HOSE, COUPLING	10A12697-001
3	10	CLAMP, HOSE	5312K16
4	1	ASSY., TUBE, INLET, R.H. TANK (not shown, Includes next 3 parts)	10A12000-426
	1	FLANGE, INLET TUBE R.H.	10A12532-005
	1	TUBE, INLET R.H.	10A12594-002
	1	FLANGE, OUTER R.H.	10A12532-006
	12	BOLT, ATTACH	AN4-11A
	24	WASHER	NAS1149F0463P
	12	NUT	MS21044N4
5	4	MOUNT, TUBE, TO PYLON	10A02201-004
	8	BOLT, ATTACH	AN3-12A
	16	WASHER	NAS1149F0363P
	8	NUT	MS21044N3
	4	GASKET, CLAMP	10A12566-010
	4	MOUNT, TUBE, OUTER	10A02201-005
	8	BOLT, ATTACH	AN3-13A
	16	WASHER	NAS1149F0363P
	8	NUT	MS21044N3
6	1	FAIRING, TOP	10A02150-199
	20	SCREW	AN526-1032R8
	20	WASHER	NAS1149F0332P
	20	NUT PLATE	MS21059-L3
7	1	FAIRING, LEADING EDGE, M. STRUT R.H	10A02163-120
	A/R	SCREW	AN526-1032R8
8	1	COVER, FILL TUBE, R.H.	10A12158-276
9	1	COVER, ACCESS, MAIN FT FITTING	10A12158-275
10	A/R	PINCH WELT (ROCHFORD)	4731
11	2	VALVE, PLATYPUS 4”	TF-1

FILL SYSTEM FUSELAGE – FIGURE 27

ITEM	QTY	PART DESCRIPTION	PART NO.
12	1	ASSY., TUBE, INLET, LT.H. TANK (not shown, Includes next 3 parts)	10A12000-425
	1	FLANGE, INLET TUBE, L.H.	10A12532-004
	1	FLANGE, INLET TUBE, L.H.	10A12532-003
	1	TUBE INLET, L.H.	10A12594-001
	10	BOLT, ATTACH	AN4-11A
	20	WASHER	NAS1149F0463P
	10	NUT	MS21044N4
13	1	COVER, MAIN ATTACH FITTING, L.H.	10A12158-277
14	1	FAIRING, BOTTOM, L.H.	10A02158-268
	1	FAIRING, TOP, L.H.	10A02158-267
	28	SCREW	AN526-1032R8
	28	WASHER	NAS1149F0463P
	28	NUT PLATE	MS21059L3
15	1	TUBE, INLET, TANK TO DECK, L.H.	10A12424-001
16	1	FAIRING, LEADING EDGE, M. STRUT, L.H	10A02163-119
	A/R	SCREW	AN526-1032R8

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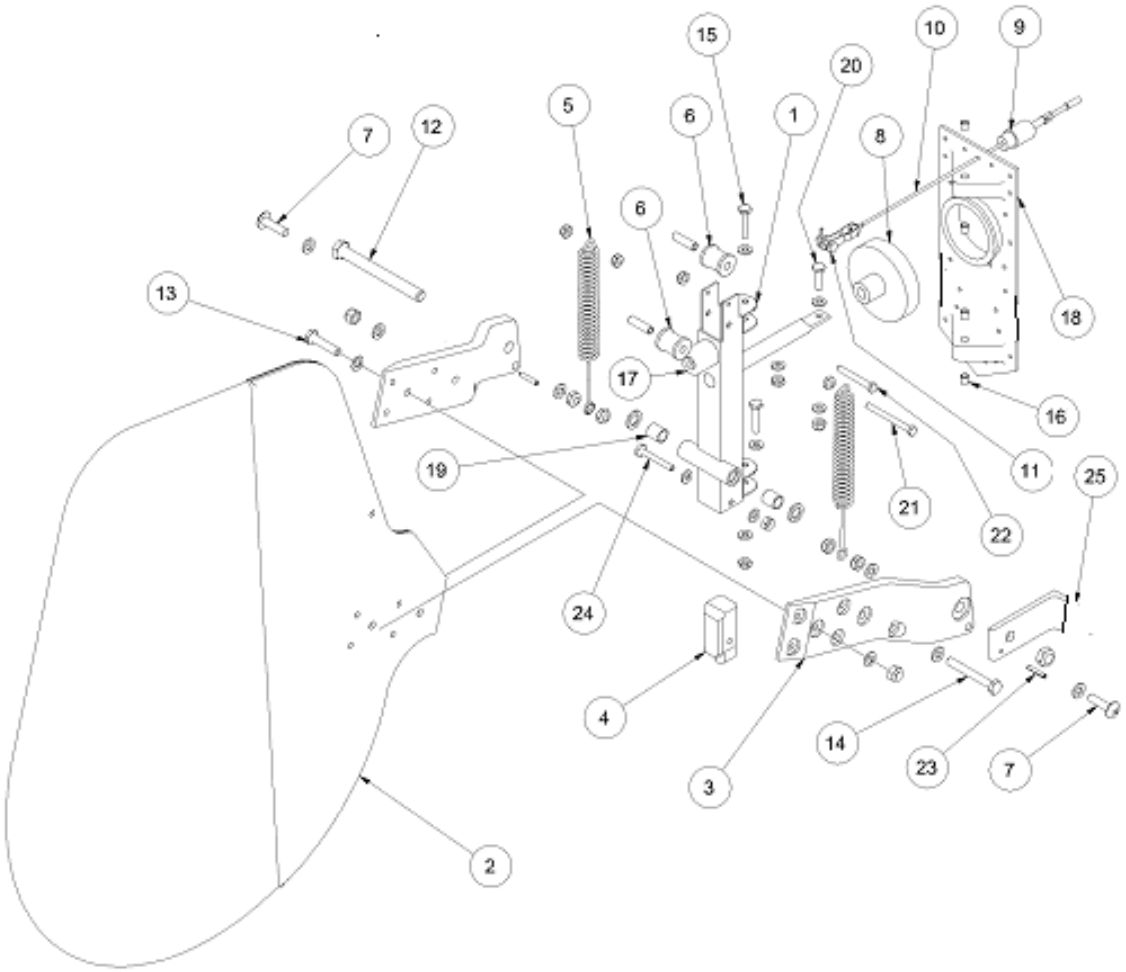
WATER RUDDER – LEFT RUDDER SHOWN
FIGURE 28



WATER RUDDER – FIGURE 28

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASSY. - WATER RUDDER POST	8A08000-098
2	1	ASSY. - WATER RUDDER BLADE	8A08000-023
3	1	ARM - WATER RUDDER CONTROL - RT.	8A08044-002
	1	ARM - WATER RUDDER CONTROL - LT.	8A08044-001
4	1	STOP - WATER RUDDER - DOWN	8A08183-006
5	2	SPRING	3A08525-001
6	2	ROLLER	3A08606-001
	2	BUSHING - ROLLER	3A08502-001
7	2	SCREW - SPRING ATTACH	MS35207-283
	A/R	WASHER	NAS1149F0463P
	4	NUT	NAS679A4W
8	1	RUBBER BOOT	3A08650-001
9	1	CABLE GUIDE	3A08605-001
10	1	CABLE ASSEMBLY	10A08000-166
11	1	CLEVIS PIN	MS20392-2C19
	1	WASHER	NAS1149D0363J
	1	COTTER PIN	MS24665-132
12	1	BOLT	AN6C34A
	A/R	WASHER	NAS1149D0663J
	1	NUT	MS21083N6
13	2	BOLT	AN4-11A
	A/R	WASHER	NAS1149D0416J
	2	NUT	MS21044N4
	2	BOLT	AN3-13A
	A/R	WASHER	NAS1149D0363J
	2	NUT	MS21044N3
	2	BOLT	AN3-10A
	A/R	WASHER	NAS1149D0363J
	2	NUT	MS21044N3

WATER RUDDER – FIGURE 28

ITEM	QTY	PART DESCRIPTION	PART NO.
14	1	BOLT	AN4-20A
	A/R	WASHER	NAS1149D0463J
	1	NUT	MS21044N4
15	2	BOLT	AN3C10A
	4	WASHER	NAS1149D0363J
	2	NUT	NAS679A3W
16	4	BEARING	03DU04
17	1	UP STOP - WATER RUDDER	10A08602-011
	1	SCREW	AN526-1032R16
	1	NUT	MS21044N3
18	1	CASTING - WATER RUDDER	3A01437-001
19	4	BEARING (TEFLON STEEL)	06DU08
20	1	BOLT	AN3-6A
	2	WASHER	NAS1149D0363J
	1	NUT	MS21044N3
21	1	BOLT (STAINLESS STEEL)	1032 X 2INCH SS
	3	NUT	NAS679A3W
22	1	BOLT (STAINLESS STEEL)	1032 X 1 1/2 SS
	1	NUT	NAS679A3W
23	2	ROLL PIN	NAS561P4-12
24	1	BOLT	AN3-13A
	2	WASHER	NAS1149D0363J
	1	NUT	MS21044N3
25	2	STOP - WATER RUDDER RT.	10A08426-012

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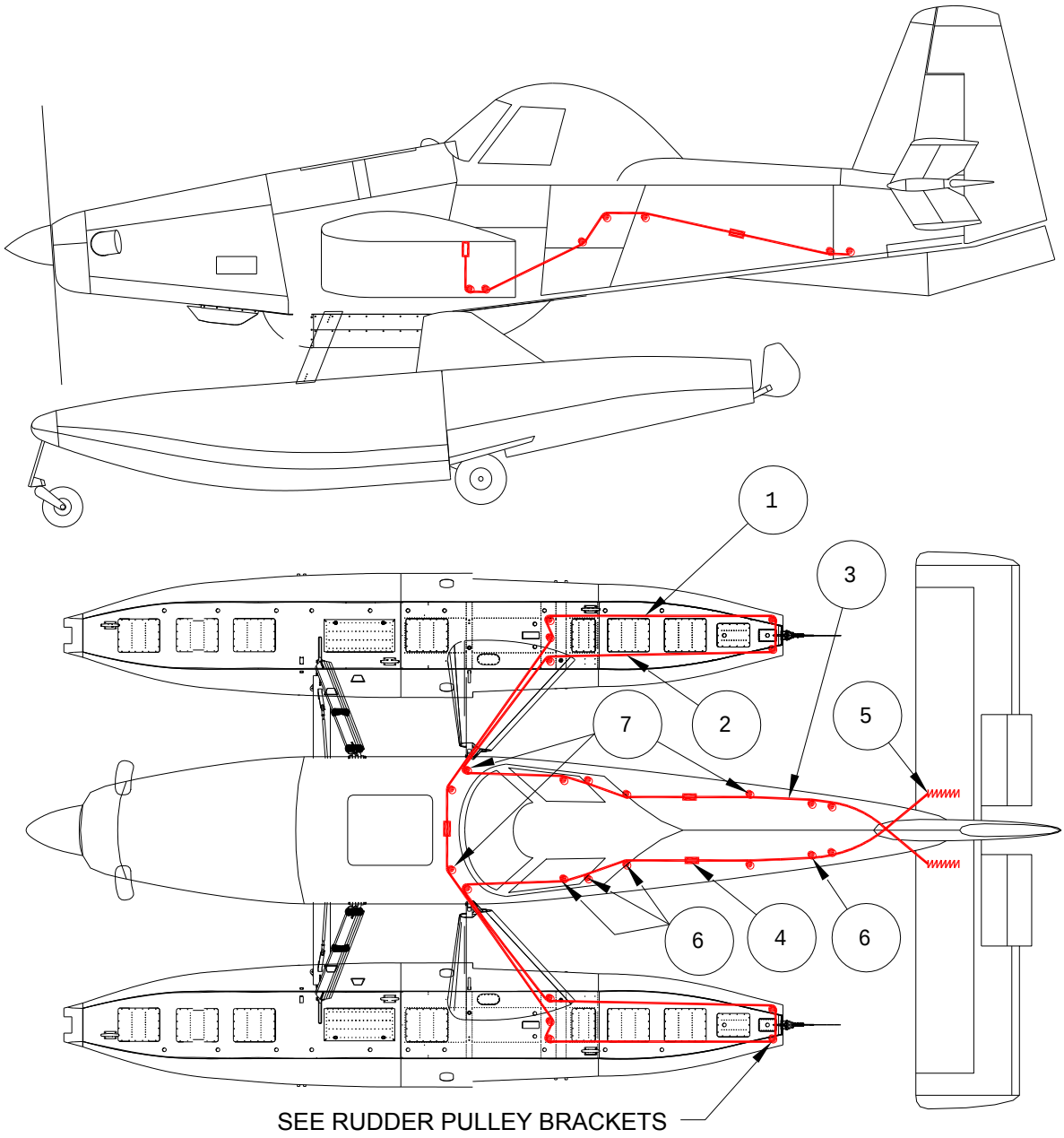
WATER RUDDER STEERING, FUSELAGE

FIGURE 29

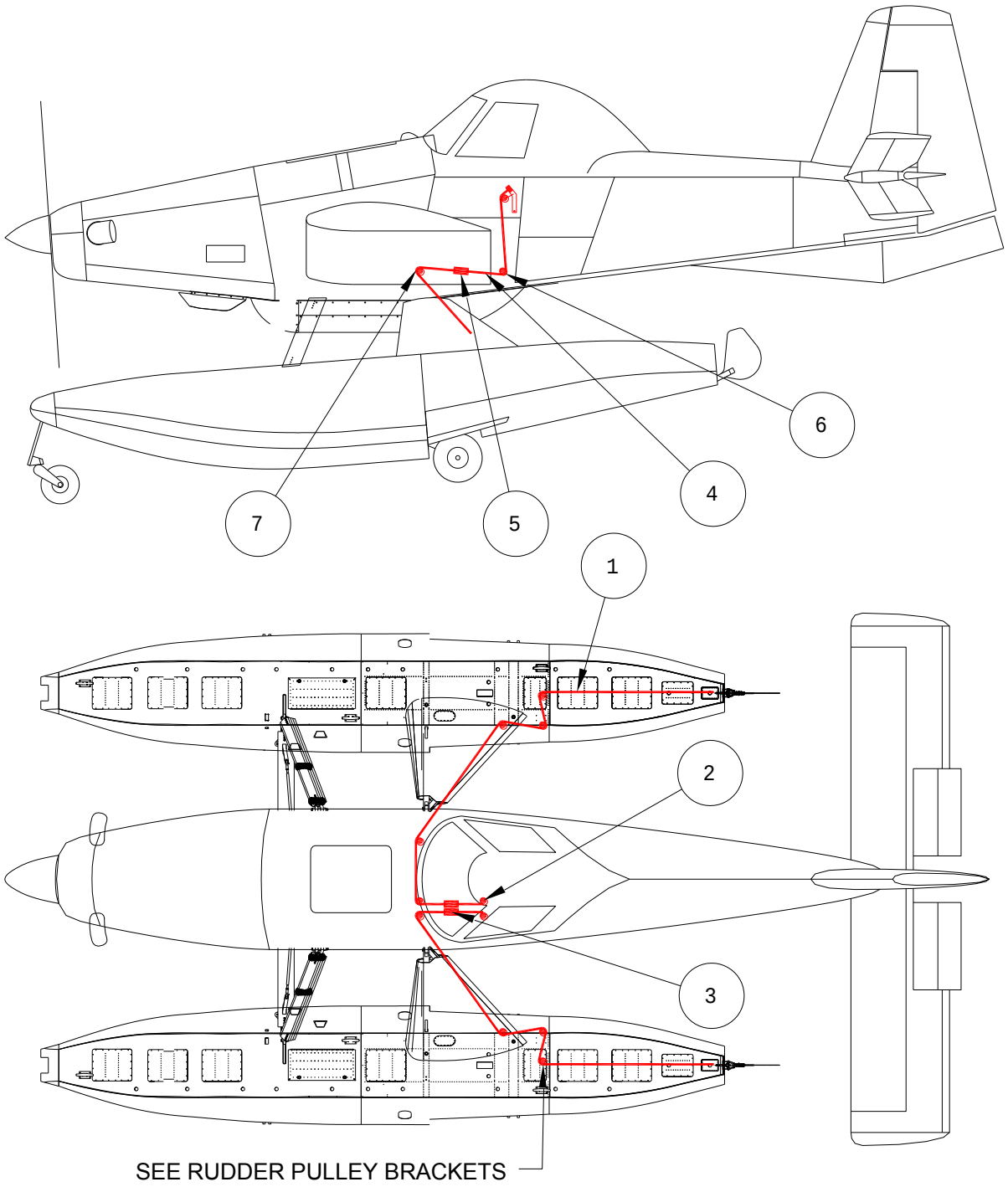


WATER RUDDER STEERING, FUSELAGE – FIGURE 29

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	CABLE ASSEMBLY, BALANCE, LH	1001458
	1	CABLE ASSEMBLY, BALANCE, RH	1001459
2	2	CABLE ASSEMBLY, STEERING	10A08000-164
3	2	CABLE ASSEMBLY, STEERING	10A08000-168
4	3	TURNBUCKLE, BARREL	MS21251B3S
5	2	SPRING	0760629-1
6	A/R	PULLEY, LARGE	MS20219-2
7	A/R	PULLEY, SMALL	MS24566-1B

WATER RUDDER RETRACT, FUSELAGE

FIGURE 30

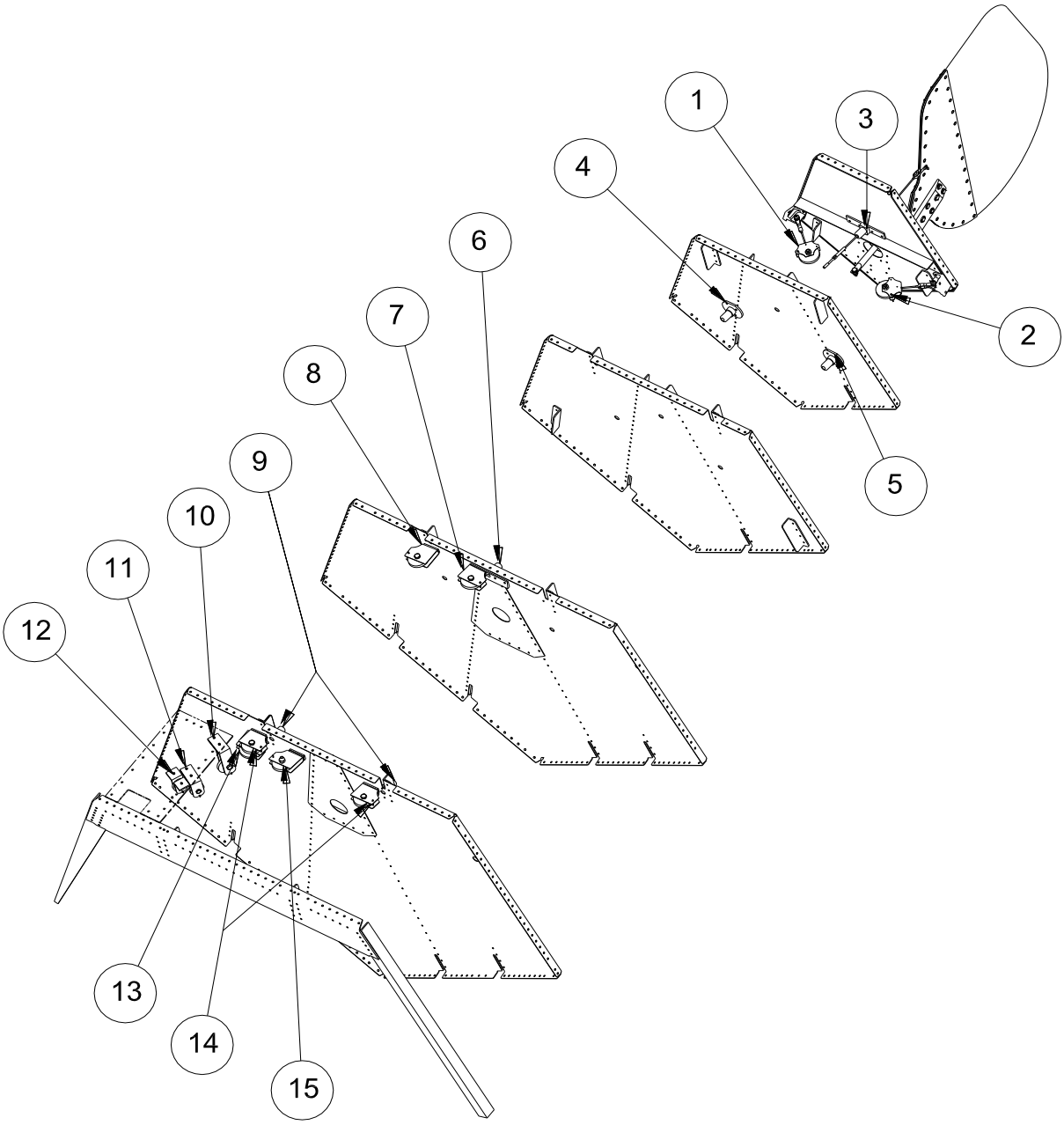


WATER RUDDER RETRACT, FUSELAGE – FIGURE 30

ITEM	QTY	PART DESCRIPTION	PART NO.
1	2	CABLE ASSY , RUDDER, RETRACT	10A08000-166
2	2	CABLE ASSY, INTERCONNECT, RETRACT	10A08000-169
3	2	TURNBUCKLE, BARREL	MS21251B3S
4	1	CABLE ASSY, HANDLE, RETRACT	10A08000-170
5	1	TURNBUCKLE, BARREL	MS21251B3S
	1	BOLT	AN3-7A
	1	WASHER	NAS1149F0363P
	1	NUT	MS21044N4
6	A/R	PULLEY, LARGE	MS20219-2
7	A/R	PULLEY, SMALL	MS24566-1B

WATER RUDDER PULLEY BRACKETS –FLOAT HULL

FIGURE 31



WATER RUDDER PULLEY BRACKETS –FLOAT HULL-FIGURE 31

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	PULLEY BRACKET, RIGHT	10A08225-004
	1	CABLE ASSY, PULLEY	8A08000-043
	1	BOLT	AN3-5A
	1	WASHER	NAS1149F0332P
	1	WASHER	NAS1149F0363P
	1	NUT	MS21044N3
	1	PULLEY	MS20219-2
	1	BOLT	AN4-7A
	1	NUT	MS21044N4
	1	COTTER PIN	MS24665-136
2	1	PULLEY BRACKET, LEFT	10A08225-003
	1	CABLE ASSY, PULLEY	8A08000-043
	1	BOLT	AN3-5A
	1	WASHER	NAS1149F0332P
	1	WASHER	NAS1149F0363P
	1	NUT	MS21044N3
	1	PULLEY	MS20219-2
	1	BOLT	AN4-7A
	1	NUT	MS21044N4
	1	COTTER PIN	MS24665-136
3	1	BRACKET, CABLE GUIDE, RETRACT	10A08033-004
	1	CABLE GUIDE	3A08605-001
4	1	GUIDE, PULLEY BRACKET, RIGHT	10A08251-005
	1	CABLE GUIDE	3A08605-001
5	1	GUIDE, PULLEY BRACKET, LEFT	10A08251-004
	1	CABLE GUIDE	3A08605-001
6	1	BRACKET, CABLE GUIDE, RETRACT	10A08033-004
	1	CABLE GUIDE	3A08605-001
7	1	SHIM, PULLEY MOUNT	10A08205-009
	1	PULLEY BRACKET	3A01151-010
	1	PULLEY	MS20219-2
	1	BOLT	AN4-10A
	1	NUT	MS21044N4
	1	COTTER PIN	MS24665-136

WATER RUDDER PULLEY BRACKETS –FLOAT HULL-FIGURE 31

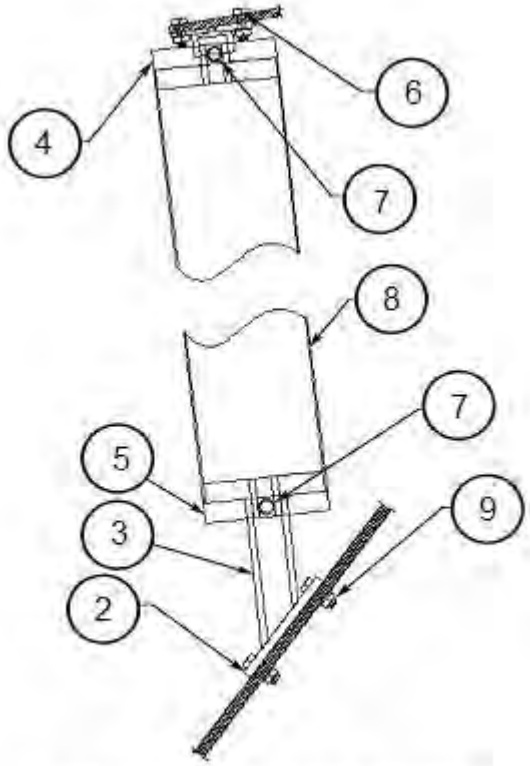
ITEM	QTY	PART DESCRIPTION	PART NO.
8	1	REINFORCEMENT, PULLEY	10A01156-179
	1	PULLEY BRACKET	3A01151-010
	1	PULLEY	MS20219-2
	1	BOLT	AN4-10A
	1	NUT	MS21044N4
	1	COTTER PIN	MS24665-136
9	2	PULLEY BRACKET GUIDE	10A08183-007
	2	CABLE GUIDE	3A08605-001
10	1	PULLEY BRACKET, TALL, RIGHT	10A08410-010
	1	PULLEY BRACKET, TALL, LEFT	10A08410-011
	1	PULLEY	MS20219-2
	1	BOLT	AN4-11A
	1	NUT	MS21044N4
	1	COTTER PIN	MS24665-136
11	1	PULLEY BRACKET, MEDIUM, RIGHT	10A08410-008
	1	PULLEY BRACKET, MEDIUM, LEFT	10A08410-009
	1	PULLEY	MS24566-1B
	1	BOLT	AN3-7A
	1	NUT	MS21044N3
	1	COTTER PIN	MS24665-136
12	2	PULLEY BRACKET, FLOAT DECK, SHORT	10A08357-079
	1	PULLEY	MS24566-1B
	1	BOLT	AN3-7A
	1	NUT	MS21044N3
	1	COTTER PIN	MS24665-136
13	1	PULLEY BRACKET	3A01151-010
	1	PULLEY	MS20219-2
	1	BOLT	AN4-10A
	1	NUT	MS21044N4
	1	COTTER PIN	MS24665-136

WATER RUDDER PULLEY BRACKETS –FLOAT HULL-FIGURE 31

ITEM	QTY	PART DESCRIPTION	PART NO.
14	2	SHIM, PULLEY MOUNT	10A08200-008
	2	PULLEY BRACKET	3A01151-010
	2	PULLEY	MS20219-2
	2	BOLT	AN4-10A
	2	NUT	MS21044N4
	2	COTTER PIN	MS24665-136
15	1	PULLEY BRACKET, FLOAT DECK, SHORT	10A08357-079
	1	SHIM, PULLEY MOUNT	10A08200-008
	1	PULLEY BRACKET	3A01151-010
	1	PULLEY	MS20219-2
	1	BOLT	AN4-10A
	1	NUT	MS21044N4
	1	COTTER PIN	MS24665-136

INSTALLATION FILL SENSOR

FIGURE 32



SENSOR INSTALLATION IN HOPPER

VIEW INSTRUMENT PANEL

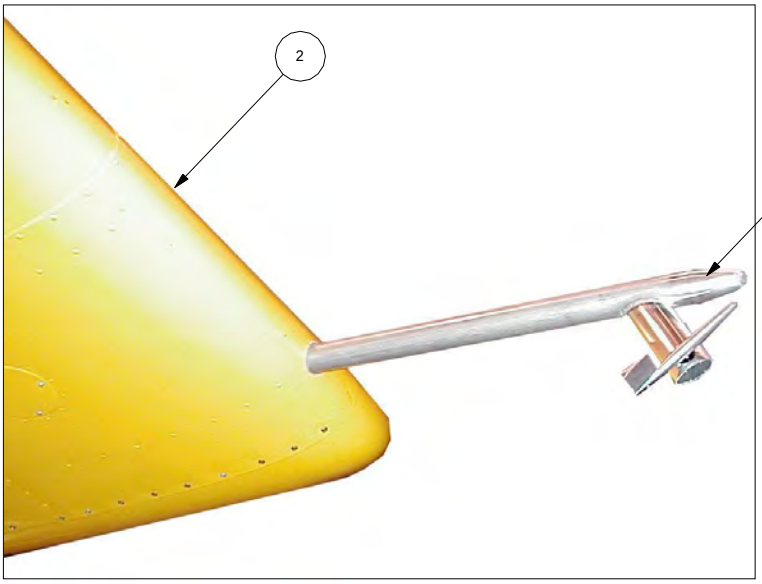
INSTALLATION FILL SENSOR – FIGURE 32

ITEM	QTY	PART DESCRIPTION	PART NO.
		FILL SYSTEM ASSEMBLY	A312-0001
1	1	FILL SYSTEM DISPLAY	C312-0001
	1	OUTPUT CABLE	C312-0003
	1	BREAKOUT CABLE (with potentiometer and knob)	C312-0002
2	1	PROBE WITH CABLE	C312-0004
3	1	SPACER	10A12270-008
4	1	BRACKET – FLOAT GUIDE	10A12264-005
5	1	BRACKET – FLOAT GUIDE	10A12264-005
6	1	BRACKET – UPPER – FLOAT GUIDE	10A12251-006
	2	BOLT	AN3-6A
	8	WASHER	NAS1149F0363P
	4	NUT	MS21044N3
	2	BOLT	AN3-5A
7	2	SET SCREW	91375A585
8	1	SHIELD	10A12665-001
9	4	BOLT	AN3-6A
	4	WASHER	AN970-3
	4	NUT	MS21044N3
10	1	SWITCH	61F1248

ANGLE OF ATTACK SYSTEM

FIGURE 33

THIS SYSTEM IS NO LONGER INCLUDED IN FIRE BOSS PRODUCTION MODELS. PARTS AVAILIBILITY IS SUBJECT TO REMAINING STOCK. PLEASE CALL OUR CUSTOMER SERVICE DEPARTMENT.

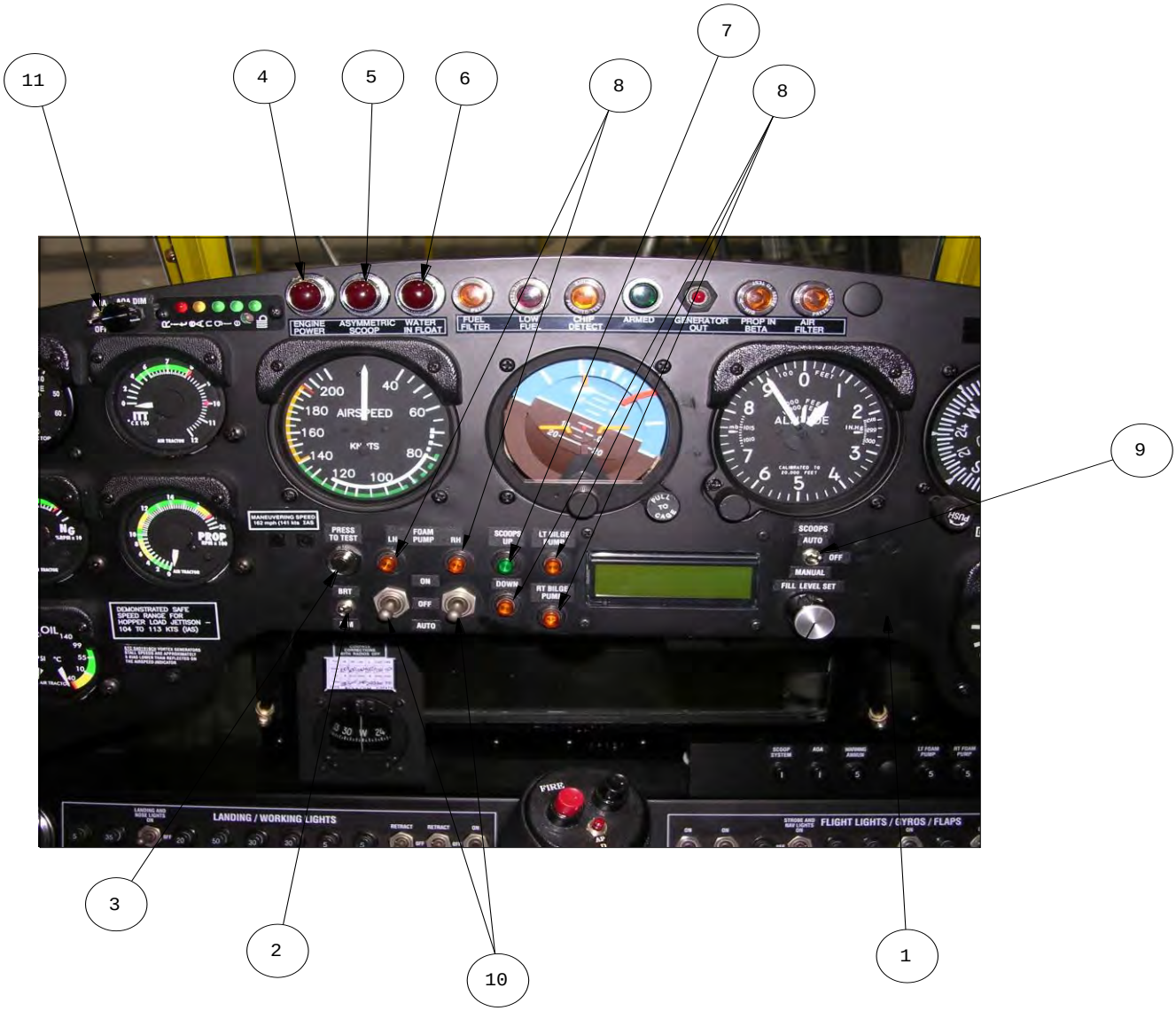


ANGLE OF ATTACK SYSTEM – FIGURE 33

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASSY PROBE VANE (specify color)	1002204
	1	VANE – POLYMER	69-24-004
	1	SENSOR, VANE (potentiometer)	69-94-001
2	4	CLAMP, PROBE ATTACH	10A12182-002
	8	BOLT	AN3-27A
	8	WASHER	NAS1149F0363P
	8	NUT	MS21044N3
3	1	DISPLAY, ANGLE OF ATTACK	69-21-001
	1	DISPLAY LEAD 10’	69-21-001-W
4	1	DIMMER RHEOSTAT	69-95-002
5	1	KIT SENSOR POSITION FLAP (not shown)	69-FK
	1	SENSOR, FLAP	69-23-006

AUXILLIARY INSTRUMENT PANEL

FIGURE 33a



AUX. INSTRUMENT PANEL – FIGURE 33a

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	AUX. INSTRUMENT PANEL ASSY. Aircraft S/N 173 and up *	1001925
2	1	BRT/DIM SWITCH	61F1250
3	1	PRESS TO TEST SWITCH	11F404
4	3	LENS, WARNING LIGHT	50F6201
5	3	LIGHT, WARNING LIGHT	52F397
6	3	BASE, WARNING LIGHT	50F6194
7	1	LIGHT, GREEN, SCOOPS UP	25F1535
8	5	LIGHT, AMBER	25F1536
9	1	SWITCH, MODE, SCOOP	61F1248
10	2	SWITCH, FOAM PUMP	23F307
11	1	SWITCH, ANGLE OF ATTACK	61F1245

* For older, top-mounted Aux. Panel (not shown), contact Wipaire, Inc. Customer Service

AUX. INSTRUMENT PANEL

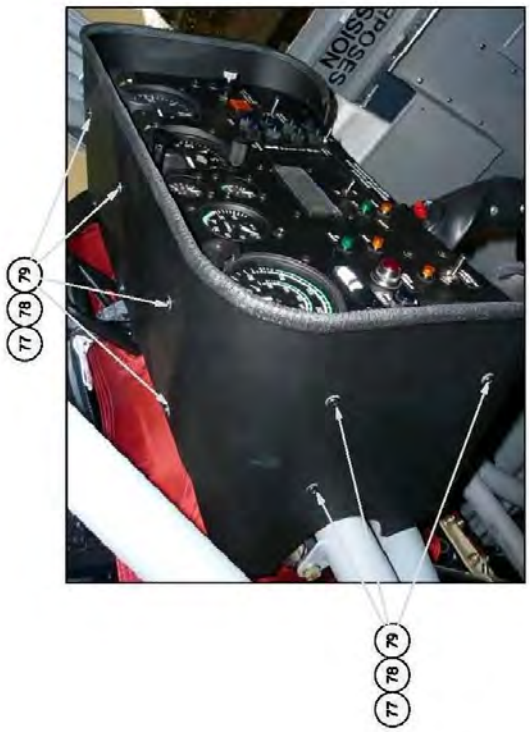
FIGURE 33b

AUX. INSTRUMENT PANEL – FIGURE 33b

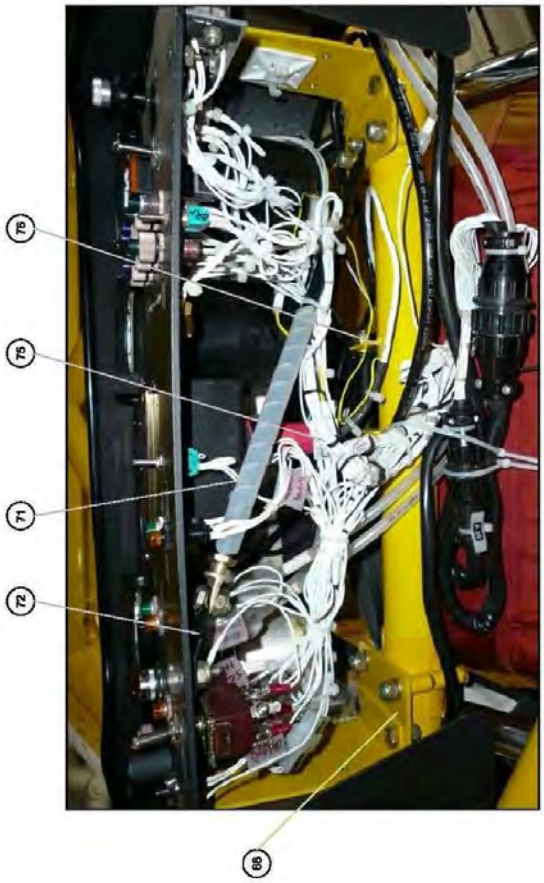
ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASSY., RELAY (not shown)	1002183
	1	RELAY, K1	90F1117
	1	RELAY, K2	45F107
	1	RELAY, K3	09B8512
	1	RACK, RELAY	57F3463
	1	BRACKET, EXTENSION RELAY	1001115
2	1	ASSY., BREAKER CIRCUIT	1001436
	1	PANEL, AUX CIRCUIT BREAKER	10A12348-032
	3	CIRCUIT BREAKER 1 AMP	7277-2-1
	5	CIRCUIT BREAKER 5 AMP	7277-2-5
	1	BUS BAR	1002161
	1	COVER, ROYALITE	1001416
	4	PLUG, HOLE 7/16” - BLACK	S2446-7
3	1	ASSY., HARNESS, WIRING MAIN(not shown)	1001924
4	1	SYSTEM, WARNING, AUDIO (not shown)	PRD60

REAR INSTRUMENT PANEL – SCOOPING CONFIGURATION

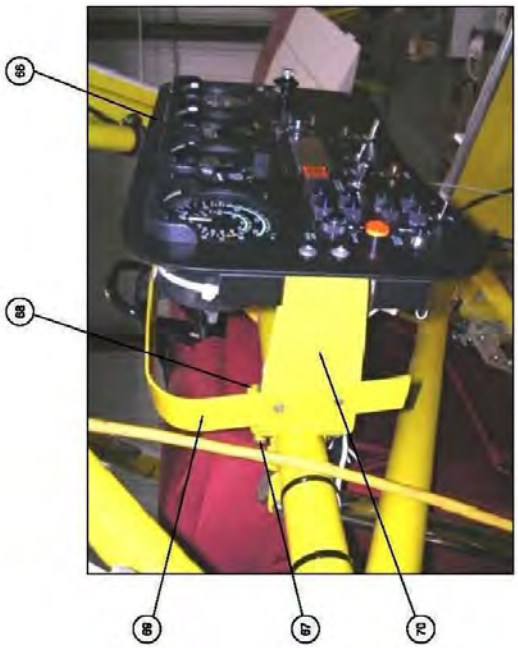
VERTICAL SPEED
ALT
AIRSPEED
ENGINE LIGHTS
PANEL LIGHTS
NOSE
MAIN
UP WATER
DOWN LAND
AUTO
SCOOPS
FIRE
FIRE
FIRE



VIEW OF INSTRUMENT PANEL - CO-PILOT, WITH GLARE SHIELD INSTALLED



AFT VIEW CO-PILOT INST PANEL (BOTTOM OF PANEL, LOOKING UP)

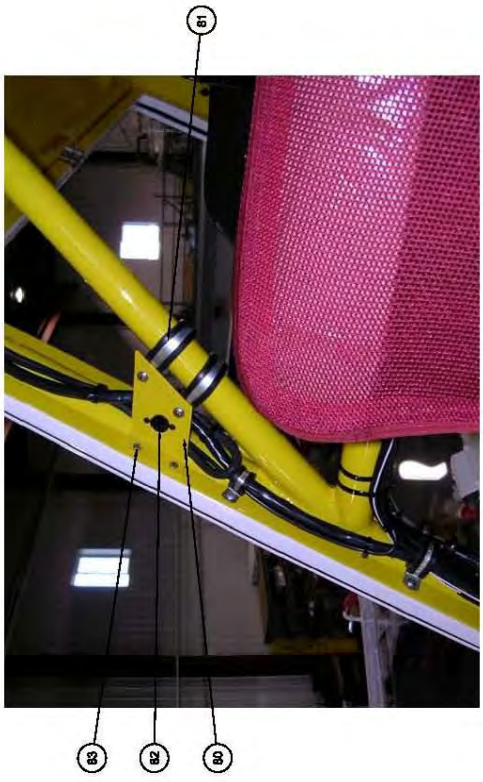


VIEW OF INSTRUMENT PANEL - CO-PILOT, WITHOUT GLARE SHIELD INSTALLED

VIEW OF CO-PILOT LEFT SIDE

REAR INSTRUMENT PANEL – FIGURE 34

VIEW OF RIGHT SIDE CO-PILOT COCKPIT



VIEW OF RIGHT SIDE PILOT COCKPIT

REAR INSTRUMENT PANEL – FIGURE 34

ITEM	QTY	PART DESCRIPTION	PART NO.
1	3	EYEBROW LIGHT	AT6069D-1
2	1	AIR SPEED INDICATOR	1004885
3	1	ALTIMETER	5934P-3
4	1	VERTICAL SPEED	7000VS1
5	1	PLACARD, ASYMMETRICAL SCOOP	7B3-4400-26
6	1	PLACARD, SCOOPS UP	7B3-4400-16
7	1	PLACARD, ENGINE/PANEL LIGHTS	1001414
8	1	BOTTOM REAR DIM	S1995-3
9	1	KNOB	S1995-2
10	1	DIMMER, HEAT SINK UNIT	1570166-1
11	1	RESISTOR / RHEOSTAT	S2091-3
12	1	SET SCREW	AN565B2H3
13	2	LIGHT, GREEN	25F1535
14	8	CARTRIDGE HOLDER	25F1167
15	1	PLACARD, SALVO	1001086
16	1	PLACARD, DOWN	7B3-4400-9
17	1	MOUNT, RELAY	1001191
18	2	SCREW, ATTACH	MS24693-BB29
19	4	NUT	MS21044N06
20	1	RELAY, GEAR ADVISORY	45F107
21	1	SOCKET, RELAY	57F3433

REAR INSTRUMENT PANEL – FIGURE 34

ITEM	QTY	PART DESCRIPTION	PART NO.
22	1	CLIP, RELAY	57F3406
23	1	RACK, RELAY	57F3463
24	2	SCREW	AN526-632R6
25	1	PLACARD, SCOOP INTERRUPT	1001355
26	3	LIGHT, AMBER	25F1536
27	1	FILL DISPLAY	C312-0007
28	1	PLACARD, SCOOPS	7B3-4400-7
29	1	LENS	50F6201
30	1	BASE	50F6194
31	1	LIGHT	52F397
32	1	LIGHT ASSY.	25F989
33	1	SWITCH	34C4443
34	1	PLACARD, BRT	7B3-4400-1
35	2	SWITCH, DIM	61F1245
36	2	PLACARD, DIM	7B3-4400-2
37	1	SWITCH, ASSY.	9600-1
38	1	LENS	9600-2
39	1	LAMP	9600-3
40	1	PLACARD, MANUAL	7B3-4400-8
41	1	PLACARD, AUTO	7B3-4400-6
42	1	PLACARD, GEAR ADV. INTERRUPT	1001083

REAR INSTRUMENT PANEL – FIGURE 34

ITEM	QTY	PART DESCRIPTION	PART NO.
43	1	SWITCH	21F720
44	4	LIGHT, GREEN	25F1177
45	1	PLACARD, FRDS ARM	1001085
46	4	LIGHT, BLUE	94F2378
47	1	SWITCH, RESET	11F404
48	1	PLACARD, SALVO RESET	1001095
49	1	SWITCH, BASE	96F4028
50	1	LENS	96F4052
51	1	LED	31C9120
52	1	GUARD	1001344
53	2	PLACARD, NOSE	1001659
54	2	PLACARD, MAIN	1001660
55	1	PLACARD, UP WATER / DOWN LAND	1001661
56 (not shown)	1	PLACARD, TRIGGER SWITCH (Optional)	7A3-4392
57	1	CLAMP	MS28042-1A
58	1	FLUSH MOUNTING SPACER RING	1005092
59	1	TORQUE GAUGE	1004813
60	1	SLIP INDICATOR	S0053-2
61	1	PROP TACH, 1-1/4”	19-21H-91Z
62	1	ELECTRONIC ITT 1-1/4”	T1211TK11CC010
63	8	SCREW, PAN HEAD	MS35214-26

REAR INSTRUMENT PANEL – FIGURE 34

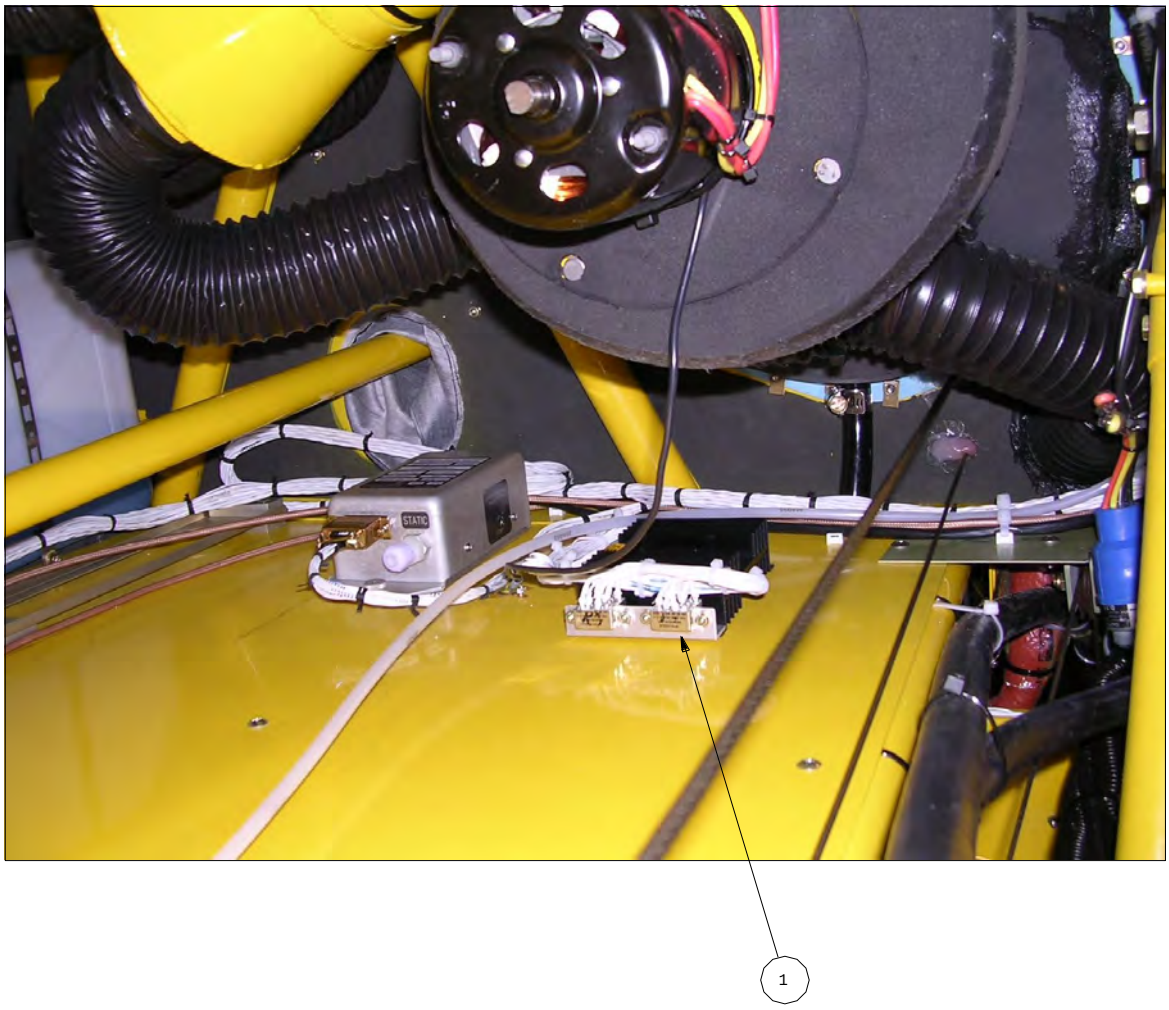
ITEM	QTY	PART DESCRIPTION	PART NO.
64	2	2-56 SHCS	91251A081
65	8	SCREW, PAN HEAD	MS35214-45
66	1	ASSY., REAR INST PANEL	1001193
67	2	CLAMP	11994-1
	4	BOLT	AN4-21A
	4	WASHER	NAS1149F0463P
	4	NUT	MS21044N4
68	2	SPACER, PANEL MOUNT	1001187
	4	BOLT	AN4-5A
	4	WASHER	NAS1149F0463P
	4	NUT	MS21044N4
69	1	SUPPORT, GLARE SHIELD	1001188
	4	SCREW	MS24694S53
	4	WASHER	NAS1149F0363P
	4	NUT	MS21044N3
70	2	ASSY., BRACKET, AIR TRACTOR	11995-1
	4	SCREW	AN526-1032R10
71	1	ASSY., PANEL BRACE ROD	12196-1
	1	SCREW	MS24694S5
	1	NUT	MS21044N08
	1	BOLT	AN3-4A
	1	WASHER	NAS1149F0363P
	1	NUT	MS21044N3
72	1	BRACKET, BRACE ROD	12197-1
	2	SCREW	MS24694S5
	2	WASHER	NAS1149F0363P
	2	NUT	MS21044N3
73	1	MOUNT, GROUND STRIP	1001186
	4	SCREW	AN526-1032R28
	8	WASHER	NAS1149F0363P
	4	NUT	MS21044N3

REAR INSTRUMENT PANEL – FIGURE 34

ITEM	QTY	PART DESCRIPTION	PART NO.
74	1	TERMINAL STRIP	60205-1
	1	CAP	MS18029-2S-3
	1	BUSS BAR	60005-2
	3	WASHER	NAS1149F0363P
	3	LOCK WASHER	MS35338-43
	3	NUT	AN315-3
	2	SCREW	MS24693-S26
75	1	WIRING HARNESS, REAR INST. PANEL	1005165
76	1	OUTPUT, W/ REMOTE CABLE	C312-006
77	12	RIVNUT	98560A172
78	12	SCREW	MS35214-26
79	12	NYLON WASHER	NW-6
80	1	BRACKET	1001180
81	2	CLAMP	MS21919WDG20
	2	SCREW	MS35207-263
	2	NUT	MS21044N3
82	1	PHONE JACK	TJ-120
	2	SCREW	MS35214-16
83	2	SCREW	S1021A6-6
84	1	PHONE JACK	TJ-120
	2	SCREW	MS35214-16

SCOOP SENSOR LOGIC POSITION

FIGURE 33c

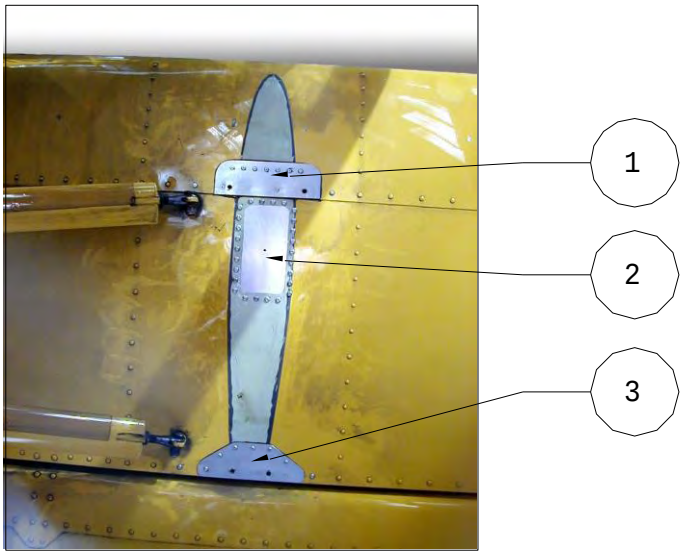


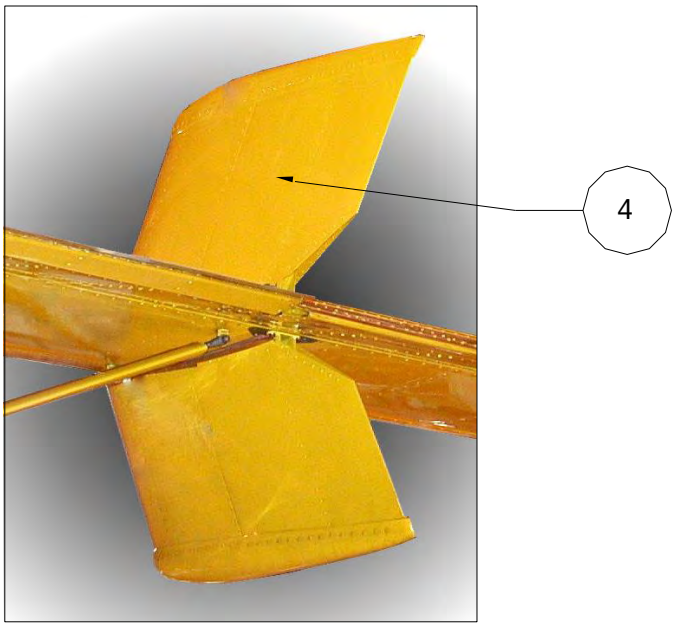
SCOOP LOGIC POSITION– FIGURE 33c

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASSY. LOGIC POSITION SCOOP	1001927
	1	BRACKET, RELAY	1002115
	5	RELAY, DPDT	3-1617029-2
	1	TRANSISTOR – 2N3055	35C0700
	1	INSULATOR – TRANSISTOR	29C4864
	1	CAPACITOR	01E9319
	1	RESISTOR	291-33K-RC
	9	DIODE – 1N4006	09F3604

AUXILLIARY FIN

FIGURE 34



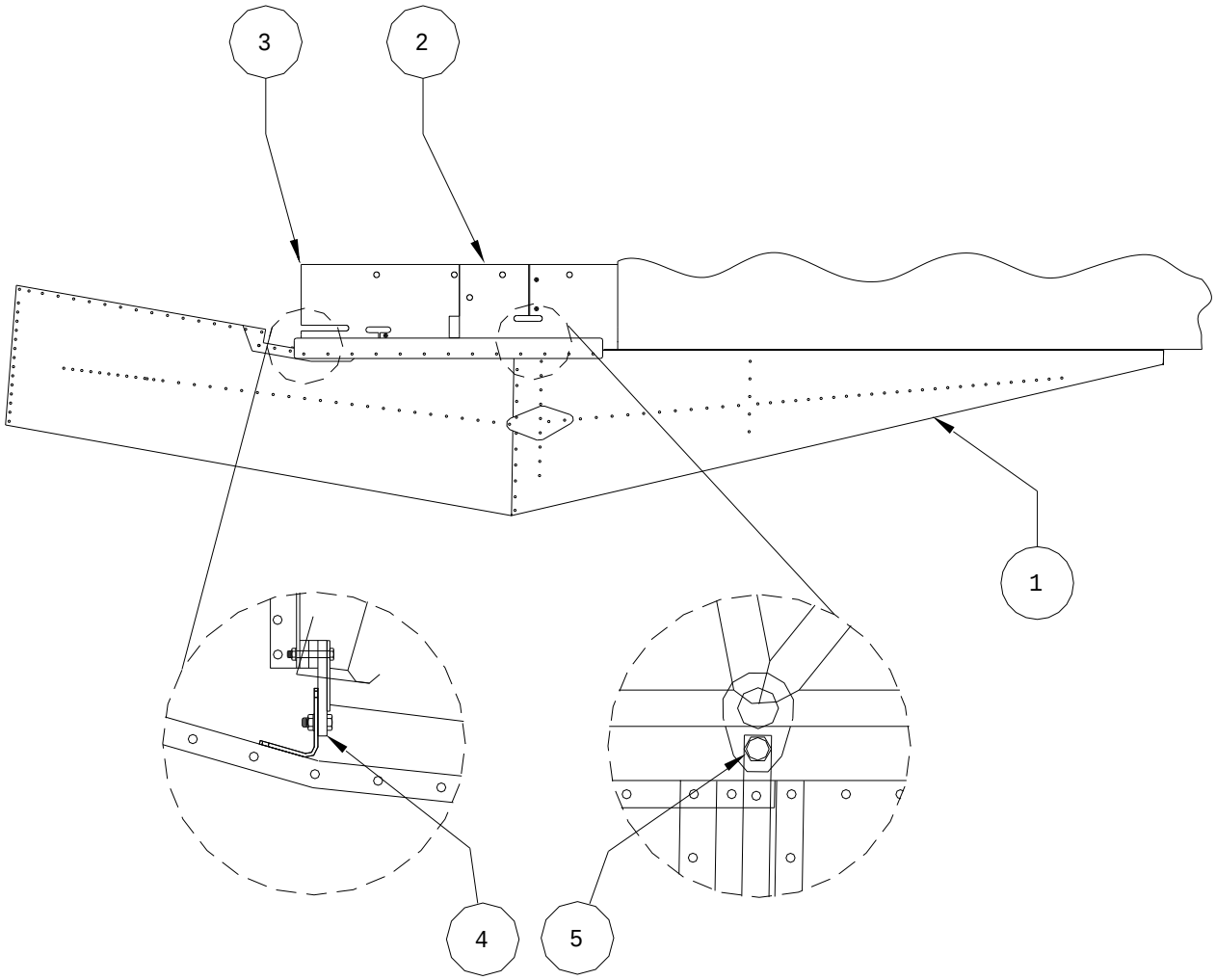


AUXILLIARY FIN – FIGURE 34

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	DOUBLER	10A12005-413
	7	RIVET	CR3213-4-2
2	1	ACCESS COVER	10A12160-045
	26	SCREW	AN526-632R4
3	1	DOUBLER	10A12005-412
	5	RIVET	CR3213-4-2
4	4	AUXILLIARY FIN	10A12000-071
	16	BOLT - ATTACH	NAS6604-8
	16	WASHER	NAS1149F0463P
	1	WELDMENT FWD MOUNT	10A12000-070
	1	WELDMENT AFT MOUNT	13A12000-008
	1	FAIRING TIP	13A12560-006
	1	SKIN – FWD	10A12005-417
	1	SKIN – AFT	10A12005-415
	4	WASHER	NAS1149F0463P
	4	NUTPLATE	MS21075L4N
	8	RIVET	AN426AD3

VENTRAL FIN

FIGURE 35

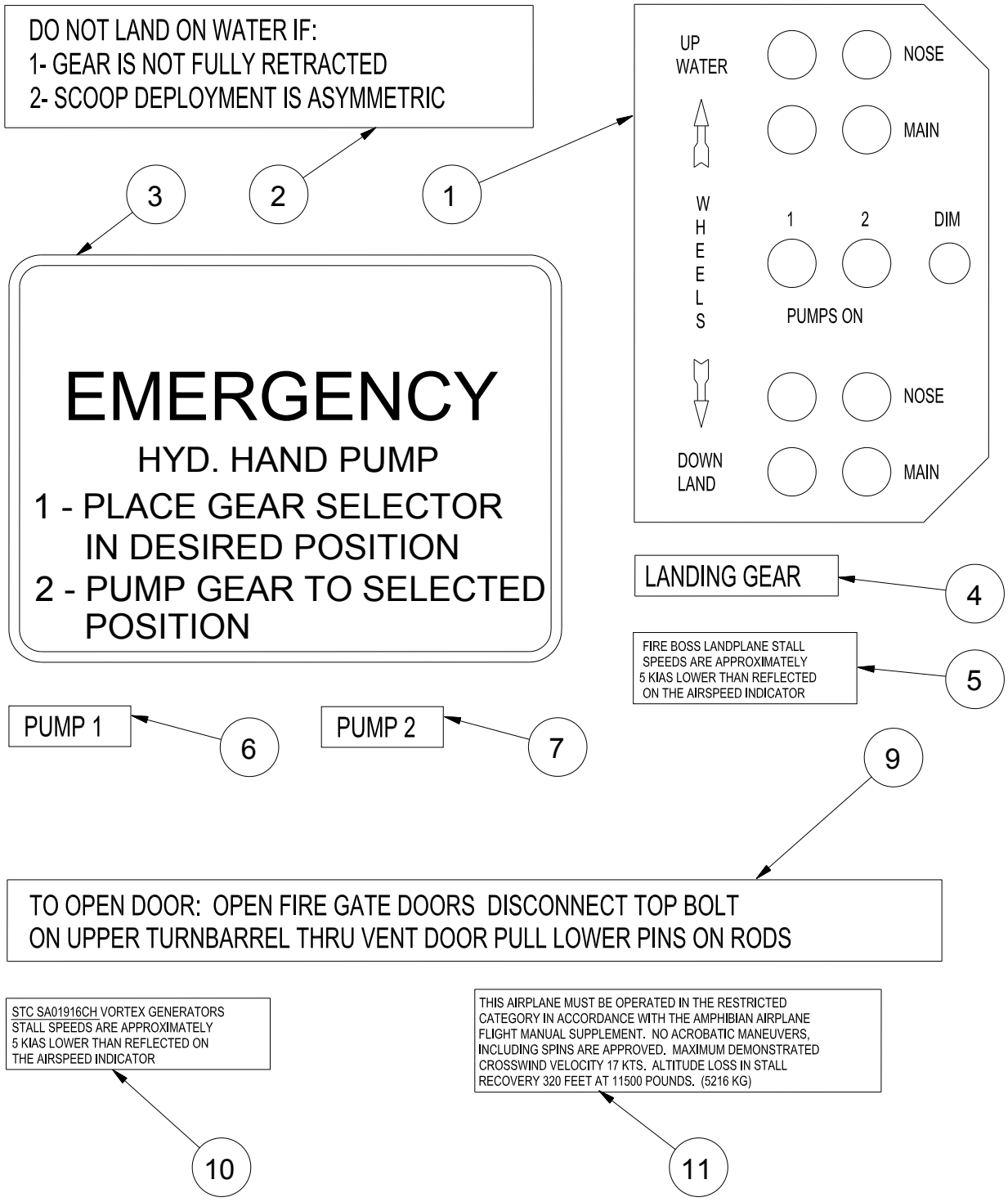


VENTRAL FIN – FIGURE 35

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASSY, VENTRAL FIN	10A12000-058
2	1	ASSY, FAIRING, FWD, LH	10A12000-075
	1	ASSY, FAIRING, FWD, RH	10A12000-074
3	1	ASSY, FAIRING, AFT, LH	10A12000-073
	1	ASSY, FAIRING, AFT, RH	10A12000-072
4	1	BRACKET, AFT MOUNT	10A12234-004
	1	BOLT	AN4-7A
	1	WASHER	NAS1149F0463P
	1	NUT	MS21044N4
5	2	BUSHING	30A02084-005
	1	BOLT	AN6-32A
	2	WASHER	NAS1149F0663P
	1	NUT	MS21044N6

PLACARDS #1

FIGURE 36


DO NOT LAND ON WATER IF:
1- GEAR IS NOT FULLY RETRACTED
2- SCOOP DEPLOYMENT IS ASYMMETRIC
3
2
1
UP
WATER
NOSE
MAIN
WHEELS
1
2
DIM
PUMPS ON
NOSE
DOWN
LAND
MAIN
EMERGENCY
HYD. HAND PUMP
1 - PLACE GEAR SELECTOR IN DESIRED POSITION
2 - PUMP GEAR TO SELECTED POSITION
LANDING GEAR
4
FIRE BOSS LANDPLANE STALL SPEEDS ARE APPROXIMATELY 5 KIAS LOWER THAN REFLECTED ON THE AIRSPEED INDICATOR
5
PUMP 1
6
PUMP 2
7
9
TO OPEN DOOR: OPEN FIRE GATE DOORS DISCONNECT TOP BOLT ON UPPER TURNBARREL THRU VENT DOOR PULL LOWER PINS ON RODS
STC SA01916CH VORTEX GENERATORS STALL SPEEDS ARE APPROXIMATELY 5 KIAS LOWER THAN REFLECTED ON THE AIRSPEED INDICATOR
10
THIS AIRPLANE MUST BE OPERATED IN THE RESTRICTED CATEGORY IN ACCORDANCE WITH THE AMPHIBIAN AIRPLANE FLIGHT MANUAL SUPPLEMENT. NO ACROBATIC MANEUVERS, INCLUDING SPINS ARE APPROVED. MAXIMUM DEMONSTRATED CROSSWIND VELOCITY 17 KTS. ALTITUDE LOSS IN STALL RECOVERY 320 FEET AT 11500 POUNDS. (5216 KG)
11

PLACARDS #1 – FIGURE 36

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	PLACARD - GEAR POSITION	7A3-4310
2	1	PLACARD - WATER LANDING	7A3-4411
3	1	PLACARD - EMER. HAND PUMP	5B3-595-3
4	1	PLACARD - LANDING GEAR	5B3-538-5
5	1	PLACARD - LANDPLANE STALL SPEED	7A3-4406
6	1	PLACARD - PUMP 1	7A3-4116-1
7	1	PLACARD - PUMP 2	7A3-4116-2
9	1	PLACARD - FIRE GATE DOOR	7A3-4410
10	1	PLACARD - VORTEX GEN. STALL SPEED (STC ONLY)	7A3-4408
11	1	PLACARD - OPER. LIMITATIONS	7A3-4404

PLACARDS #2

FIGURE 37

1. DIM
2. ON
3. OFF
4. AOA
5. AOA DIM
6. ENGINE POWER
7. ITT
8. FILL LEVEL SET
9. FOAM
LH PUMP RH
10. WATER IN FLOAT
11. PRESS TO TEST
12. SCOOP
SYSTEM
13. WARNING
ANNUN

14. **LT FOAM PUMP**

15. **RT FOAM PUMP**

16. **LT BILGE PUMP**

17. **RT BILGE PUMP**

18. **LT FLOAT WATER SENS**

19. **RT FLOAT WATER SENS**

20. **ENGINE POWER** **ASSYMETRIC SCOOP** **WATER IN FLOAT**

PLACARDS #2 – FIGURE 37

ITEM	QTY	PART DESCRIPTION	PART NO.
2	1	PLACARD - DIM	7B3-4400-2
3	1	PLACARD - ON	7B3-4400-3
4	1	PLACARD - OFF	7B3-4400-4
5	1	PLACARD - AOA	7B3-4400-5
10	1	PLACARD - AOA DIM	7B3-4400-10
11	1	PLACARD - ENGINE/POWER	7B3-4400-11
12	1	PLACARD - ITT	7B3-4400-12
13	1	PLACARD - FILL LEVEL SET	7B3-4400-13
14	1	PLACARD - FOAM PUMP	7B3-4400-14
15	1	PLACARD - WATER IN FLOAT	7B3-4400-15
17	1	PLACARD - PRESS TO TEST	7B3-4400-17
18	1	PLACARD - SCOOP SYSTEM	7B3-4400-18
19	1	PLACARD - WARNING ANNUN.	7B3-4400-19
20	1	PLACARD - FOAM PUMP LT.	7B3-4400-20
21	1	PLACARD - FOAM PUMP R.	7B3-4400-21
22	1	PLACARD - BILGE PUMP LT.	7B3-4400-22
23	1	PLACARD - BILGE PUMP RT.	7B3-4400-23
24	1	PLACARD - WATER SENSOR LT.	7B3-4400-24
25	1	PLACARD - WATER SENSOR RT.	7B3-4400-25
27	1	PLACARD – WARNING LIGHTS	1002181

PLACARDS #3

FIGURE 38

1. SMOKE

2. **AT-802:**

   MANEUVERING SPEED – 123 KIAS

3. **AT-802A:**

   MANEUVERING SPEED – 121 KIAS

4. MAX HOPPER LOAD 8800 POUNDS (3992 KG)
   MAS AIRCRAFT GROSS WT. 16000 POUNDS (7257 KG)

5. FOAM TANK FILL – 18 GAL. (68.13 LITERS)

6. FOAM TANK FILL – 30 GAL. (133.55 LITERS)

7. WATER RUDDER UP FOR ALL FLIGHT OPERATIONS

8. IF FLAP STOP SWITCH BRACKET IS REPOSITIONED RECALIBRATING AOA FLAP POSITION POTENTIOMETER IS REQUIRED

PLACARDS #3 – FIGURE 38

ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	PLACARD - SMOKE	7B3-4400-27
2	1	PLACARD – MANEUVERING SPEED, AT-802	1003317
3	1	PLACARD - MANEUVERING SPEED, AT-802A	7A3-4394
4	1	PLACARD - HOPPER A/C WEIGHTS	7A3-4395
5	1	PLACARD - FOAM FILL 18 GAL.	7A3-4396
6	1	PLACARD - FOAM FILL 30 GAL.	7A3-4397
7	1	PLACARD - WATER RUDDER UP	6B3-2243-2
8	1	PLACARD – IF FLAP STOP SW.	1002185

PARTS MANUAL
For
FIRE BOSS CONVERSION
Item No. 1002179

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